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1947

COMPILED FOR THE ZOOLOGICAL SOCIETY OF LONDON BY

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PREFACE.

THIS Volume, the eighty-fourth of the Zoological Record, deals mainly with the publications of 1947. It includes also those which, for various reasons, were not recorded in previous volumes.

Articles and books which have not yet reached this country, but concerning which knowledge has been obtained from other sources, are recorded as far as the information permits. They will, if necessary, be dealt with more fully when they can be seen by the Recorders.

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2. PROTOZOA

ARRANGED BY

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†*Ammobaculites humei, tyrrelli* [for *A. coprolithiforme* Cushman, 1927 (*non* Schwager)] **spp. n.** Cretaceous, Alberta, NAUSS **578**; †*A. paleocenicus* **sp. n.** [**nom. n.** for *A. midwayensis* Cushman, 1940 (*non* Plummer)] Paleocene, Alabama, CUSHMAN **189**; †*A. chiranus* **sp. n.** Eocene, Peru, CUSHMAN & STONE **205**; †*A. jarvis* **sp. n.** Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**; †*A. advenus* **sp. n.** [for *A. stephensoni* Cushman & Applin 1946 (*non* Cushman)]; †*A. agrestis* **sp. n.**, †*A. gratus* **sp. n.** Upper Cretaceous, Texas, CUSHMAN & APPLIN **194**; †*Ammodiscus parvulus* **sp. n.** [for *A. incertus* Chapman, 1895 (*non* d'Orbigny) & *A. robertsoni* Chapman, 1895 (*non* Brady)] Rhaetic, Holland, DAM **212**; *A. intermedius* **sp. n.** [for *A. tenius* Goës, 1894 (*non* Brady)] Skagerak & Koster Channel; *A. flavidus* **sp. n.** *scabrata* **var. n.** [for *A. incertus* Goës, 1896 (*pro parte*) (*non* d'Orbigny)] Pacific; *A. catinus* **sp. n.** [for ? *A. incertus* Goës, 1894 (*pro parte*) (*non* d'Orbigny)] Gullmar Fjord, Norway & Skagerak; *A. anguillae* **sp. n.** [for *Trochammina incerta* Goës, 1882 (*pro parte*) (*non* d'Orbigny)] Anguilla, Cuba; *A. minimus* **sp. n.** Skagerak; *A. planorbis* **sp. n.** [for ? *Trochammina incerta* Goës, 1882 (*pro parte*) (*non* d'Orbigny)] Skagerak; *A. planus* **sp. n.** [for ? *A. incertus* Goës, 1894 (*pro parte*) (*non* d'Orbigny)] Gullmar Fjord, Norway; *A.* cf. *intermedius* **sp. n.** [for *A. incertus* Goës, 1896 (*pro parte*) (*non* d'Orbigny)] Gulf of Mexico and Koster Channel, HÖGLUND **382**.

Ammoscalaria **gen. n.** (genotype *Haplophragmium tenuimargo Brady*), HÖGLUND **382**.

†*Angulogerina fluens* **sp. n.** [Todd, MS] Pliocene or Pleistocene, Alaska, CUSHMAN & TODD **206**.

†*Annulofrondicularia* **subgen n.** (subgenotype *Frondicularia annularis* d'Orbigny), KEIJZER **433**.

†*Anomalina keijzeri* **sp. n.** [for *A.* sp. n. Keijzer, 1938] Eocene, Dalmatia, MONTAGNE **548**; †*A. solis, talaria* **spp. n.** Cretaceous, Alberta, NAUSS **578**; †*A. chirana* **sp. n.** Eocene, Peru, CUSHMAN & STONE **205**; †*A. obesa* **sp. n.** Cretaceous, Mississippi, CUSHMAN & APPLIN **194**; †*A. reinholdi* **sp. n.** Lower Pliocene, Holland, CUSHMAN & DAM **196**.

†*Aragonia tenera* **sp. n.** Paleocene, New Zealand, FINLAY **293**.

†*Archaias vandervlerki* **sp. n.** [for *Orbiculina* cf. *adunca* Rutten in Martin, ? 1917 (*non* Fichtel & Moll), & ? *O.* sp. van der Vlerk, 1924] Tertiary, Borneo, NEVE **584**.

Articulina atlantica **sp. n.** off Florida, United States, CUSHMAN **191**; †*Articulina ornaticollis, curta, elegans, ampulla* **spp. n.** Lutetian, France, LE CALVEZ **465**.

†*Astacolus sikôensis* **sp. n.** Pliocene, Formosa, ISHIZAKI **409**.

†*Asterigerina macfadyeni* **sp. n.** Lias, England, DAM **221**; †*A. lutetiana* **sp. n.** Upper Lutetian, Holland, DAM **222**; †*A. staeschei, frankei* **spp. n.** Tertiary, Europe, DAM & REINHOLD **228**; †*A.* in Jurassic, Europe, DAM & REINHOLD **230**.

†*Barbourinella nipeensis* **sp. n.** Oligomiocene, Cuba, KEIJZER **433**.

†*Bathysiphon vitta* **sp. n.** Cretaceous, Alberta, NAUSS **578**; *B. flexilis* **sp. n.** Färle Fjord, Norway, HÖGLUND **382**.

†*Bermudezina elegans* **sp. n.** [for *Heterostomella* sp. Coryell & Embich, 1937] Oligocene, Cuba, KEIJZER **433**.

†*Bigenerina burri* **sp. n.** Paleocene, New Zealand, FINLAY **293**; †*B. alternans, paradoxa, nana, minima, variabilis* **spp. n.** Cretaceous, VAŠÍČEK **838**.

†*Boldia* **gen. n.** (genotype *Rotalina lobata* Terquem) [for *Boldia* van Bellen *in lit.* & *Terquemia* van Bellen 1946 (*non Terquemia* Tate)] *vandersluisi* **sp. n.** Eocene & Paleocene, Guatemala & British Honduras, BOLD **86**.

†*Bolivina elkensis* **sp. n.** Cretaceous, Alberta, NAUSS **578**; †*B. capdevilensis* **var. n.** *gortani* Eocene, Italy, SELLI **727**; †*B. subcompta, zedirecta* **spp. n.** Oligocene and Miocene; *B. barnwelli* **sp. n.** Pliocene; *B. lutosa* **sp. n.** Miocene, New Zealand, FINLAY **293**; †*B. chirana, peruviana* **spp. n.**, †*B.* (*Desinobulimina*) *diversa* **sp. n.** [for *B.* cf. *ovata* CUSHMAN & STONE 1947 (*non* d'Orbigny)] Eocene, Peru, CUSHMAN & STONE **204**; †*B. secaensis, lineata, acutangularis, decurtata* **spp. n.** Upper Eocene, Ecuador, CUSHMAN & STAINFORTH **203**; †*B. petroleana* **var. n.** *spinea*, *B. stokesi*, (*Desinobulimina*) *suteri* **spp. n.** Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**; *B. clava* **sp. n.** [for ? *B. aculeata* Brady, Parker & Jones 1888 (*non* d'Orbigny) and *B. inflata* Cushman 1922 (*non* Seguenza)] Atlantic and Pacific; †*B. thanetensis* **sp. n.** Eocene, England and Germany; *Bulimina* and related genera: a monograph, CUSHMAN & PARKER **199**; †*Buliminella beaumonti* **sp. n.** Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**; †*B. glomerata* **sp. n.** [**nom. n.** for *B. pulchra* Tolmachoff 1934 (*non* Terquem)] Miocene, America, CUSHMAN & PARKER **199**; *B. pseudopunctata* **sp. n.** Norwegian coastal waters, HÖGLUND **382**; †*B. makiyamai, hôtosakuensis* **spp. n.** [both for *Bolivina* spp. Ishizaki, 1940] Pliocene, Japan, ISHIZAKI **412**; †*B. basisenta, chirana, peruviana, maculata* **spp. n.**, Eocene, Peru, CUSHMAN & STONE **205**; †*B. subadvena* **var. n.** *acuminata* (Natland M.S.) [for *B. s.* var. *serrata* Natland, 1938 (*non* Chapman)] Pliocene, California, CUSHMAN & GRAY **197**.

†*Bolivinita glaessneri* **sp. n.** Cretaceous, New Zealand, FINLAY **293**.

†*Bolivinopsis pulchella* **sp. n.** Upper Eocene, Ecuador, CUSHMAN & STAINFORTH **203**; †*B. compta* **sp. n.** [for *B. californica* Finlay, 1939 (*non* Cushman & Campbell)] Paleocene New Zealand, FINLAY **293**.

†*Boreloides* **gen. n.** *cubensis* **sp. n.** (genotype) Eocene, Cuba, COLE & BERMÚDEZ **157**.

†*Bulimina venusae* **sp. n.** Cretaceous, Alberta, NAUSS **578**; †*B. abatissae* **sp. n.** Eocene, Italy, SELLI **727**; †*B. subbortonica, serratospina* **spp. n.** Paleocene and Eocene, New Zealand, FINLAY **293**.

†*Buliminella peruviana, chirana* **spp. n.** Eocene, Peru, CUSHMAN & STONE **205**.

†*Buliminellita* **gen. n.** *mirifica* **sp. n.** Upper Eocene, Ecuador, CUSHMAN & STAINFORTH **203**.

†*Cassidulinoides nipeensis* **sp. n.** Oligomiocene, Cuba, KEIJZER **433**.

†*Ceratobulimina gaultina* **sp. n.** [**nom. n.** for *Pulvinulina hauerii* Chapman (*non* d'Orbigny)] Albian, France and Britain, DAM **214**.

†*Ceratocanoris hortalveus* **sp. n.** Eocene, New Zealand, FINLAY **293**.

†*Chilostomella ovoidea* **var. n.** *serrata* Eocene, Peru, CUSHMAN & STONE **205**; †*C. chilostomelloides* **sp. n.** Tertiary, Moravia, VAŠÍČEK **838**; †*C. hadlyei* **sp. n.** [for *C.* sp. Hadley, 1934] Oligomiocene, Cuba, KEIJZER **433**.

Chysalogonium atlanticum **sp. n.** off South Carolina, United States, CUSHMAN **191**.

†*Cibicides alaskensis* **sp. n.** Pliocene or Pleistocene, Alaska, CUSHMAN & TODD **206**; †*C. haastersi*, ? *C. vanbelleni* **spp. n.** Eocene, Guatemala & British Honduras, BOLD **86**; †*C. subtenuissimus* **var. n.** *concava* Oligomiocene, Cuba, KEIJZER **433**.

†*Citharina lammersi* **sp. n.** [**nom. n.** for *vaginulina strigillata* Franke, 1927 (*non* Reuss) & *C. strigillata* ten Dam, 1944 (*non* Reuss)] Cretaceous, Holland, DAM **219**.

†*Clavulina* (*Clavulinoides*) *fantinii* **sp. n.** Eocene, Italy, SELLI **727**.

†*Climacammina minima* **sp. n.** Trias, Germany, LIEBUS **477**.

Conicospirillina atlantica **sp. n.** off North Carolina, United States, CUSHMAN **191**.

†*Conotrochammina depressa* **sp. n.** Paleocene, New Zealand, FINLAY **293**.

†*Cornuspiroides cretacea* **sp. n.** Cretaceous, Pyrenees, PÉRÉBASKINE **617**.

†*Cribrononion* **subgen. n.** (subgenotype *Nonionina heteropora* Egger) Miocene, THALMANN **803**.

†*Cristellaria dofleini* **sp. n.**; *C. subangulata* **var. n.** *crassisepta* Mesozoic, Russia, KASANZEV **431**; †*C. oolithica* **var. n.** *orthonata* Jurassic, Russia, KASANZER **430**; † *C.* (*Robulus*) *teschi* **sp. n.** [**nom. n.** for *C.* (*R.*) *grandis* ten Dam & Reinhold (*non C. americana grandis* Cushman)] Miocene, Holland, DAM & REINHOLD **231**; "*Cristellaria*" *serpens* Seguenza, systematic position, SELLI **724**.

Crithionina goësi **sp. n.** Gullmar Fjord, Norway and Skagerak, HÖGLUND **382**.

†*Cuneolina walteri* **sp. n.** Lower Cretaceous, Florida, CUSHMAN & APPLIN **193**.

†*Cyclammina lamella* **sp. n.** Eocene, Moravia, VAŠÍČEK **838**.

†*Cycloclypeus* **sp. n.** aff. *inornatus* (no name given) Aquitanian, New Zealand, FINLAY **292**; †*C. victoriensis* Crespin and *C. v.* var. *gippslandica* Crespin, Miocene, Australia, KÜPPER **459**.

†*Cymbalopora irregularis* **sp. n.** Eocene, Cuba, KEIJZER **433**; †*C. cushmani* **sp. n.** Eocene, Cuba, COLE & BERMÚDEZ **157**.

†*Cystammina subgaleata* **sp. n.** Tertiary, Moravia, VAŠÍČEK **838**; †*Darbyella nitida* **sp. n.** Oligocene, Holland, DAM & REINHOLD **225**.

†*Dentalina jarvesi* **sp. n.** [**nom. n.** for *D. inornata* Cushman, 1929, & Cushman & Jarvis, 1930 (*non* d'Orbigny)] Oligomiocene, Dalmatia, MONTAGNE **548**; †*D. hyûgaensis* **sp. n.** Pliocene, Formosa, ISHIZAKI **412**; †*D. curva*, **sp. n.** Trias, Germany, LIEBUS **477**; †*D. inepta* [for *D.* sp. A Cushman & Todd, 1946], *insula* [for *D.* sp. B. Cushman & Todd, 1946] **spp. n.** Paleocene, Arkansas, CUSHMAN **190**.

†*Dimorphina triassica* **sp. n.** Trias, Germany, LIEBUS **477**.

†*Discocyclina* (*Disococyclina*) *barkeri*, *grimsdalei*, *bullbrooki* **spp.n.** Paleocene, Trinidad, B.W.I., VAUGHAN & COLE **840**; †*D.* **sp. n.** (no name given) Eocene, Dalmatia, MONTAGNE **548**; †*D. raadshooveni* **sp. n.** Eocene, Cuba, HERMES **376**; †*D.* (*Asterocyclina*) *habanensis* **sp. n.** Eocene, Cuba, COLE & BERMÚDEZ **157**.

†Discocyclinidae and other foraminifera, Eocene, Cuba, COLE & BERMÚDEZ, **157**.

†*Discorbis hamaraensis* **sp. n.** Cretaceous, Sahara, COLOM **158**; *D. pulchra* **sp. n.** off North Carolina, United States, CUSHMAN **191**.

†*Dorothia nipeensis* **sp. n.** Oligomiocene, Cuba, KEIJZER **433**.

†*Dunbarula* **gen. n.** *mathieui* **sp. n.** [to be described and figured in a future publication] Permian, Tunisia, CIRY & MATHIEU **144**.

Eggerella arctica **sp. n.** [for *Verneulina pygmacea* Goës, 1894 (*non* Egger, *non* Brady)] Davis Strait, Greenland, HÖGLUND **382**.

†*Ehrenbergina willetti, healyi* **spp. n.** Oligocene, New Zealand, FINLAY **293**; †*E. trinitatensis* **sp. n.** Oligocene, Trinidad, B.W.I., CUSHMAN & RENZ **202**.

†*Ellipsoglandulina labiata* **var. n.** *fantinii* Eocene, Italy, SELLI **727**; †*E. concinna* **sp. n.** Upper Cretaceous, Westphalia, OLBERTZ **588**.

†*Ellipsonodosaria japonica, hayasakai, ketienziensis, oinomikadoi, hyúgaensis* **spp. n.** Pliocene, Japan, ISHIZAKI **411**; †*Ellipsonodosaria* spp. from the Pliocene, Japan, ISHIZAKI **411**.

†*Ellipsopleurostomella* **var. n.** *silvestrii* Eocene, Italy, SELLI **727**.

†*Elphidiella arctica* **var. n.** *angulata* [for *E. hannai* ten Dam & Reinhold, 1941 (*non* Cushman & Grant)] Pliocene, France, DAM **218**.

†*Elphidium alaskense* **sp. n.** Pliocene or Pleistocene, Alaska, CUSHMAN & TODD **206**; †*E. nipeense* **sp. n.** Oligomiocene, Cuba, KEIJZER **433**; †*E. rutteni* **sp.n.** Oligomiocene, Cuba, HERMES **376**.

†*Endothyra acuta, excentralis* **spp. n.** Carboniferous, Illinois, COOPER **162**.

†*Entosolenia orbignyana* **var. n.** *perfectocostata*, Upper Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **201**; †*E. sigmoidella* **var. n.** *timmsensis* Pliocene, California, CUSHMAN & GRAY **197**; †*E. orbignyana* **var. n.** *praeclara* [for *Lagena orbignyana* (Seguenza) var., CUSHMAN & JARVIS, 1932] Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**.

†*Epistomina cretosa* **sp. n.** Cretaceous, Holland, DAM **217**; †*E. fax* **sp. n.** [for *E. caracolla* Wickenden, 1941 (*non* Roemer)] Cretaceous, Alberta, NAUSS **578**.

†*Eponides bollii, bronnimani* **spp. n.**, *E. b.* **var. n.** *mera* Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**.

†*Flabellina lacostei, coranica* **spp. n.** Cretaceous, Morocco, MARIE **512**.

†*Flintia dameryana* **sp. n.** Lutetian, France, LE CALVEZ **465**.

†*Frondicularia simplicissima* **sp. n.** Cretaceous, Holland, DAM **216**.

†*Fusulina longissima* **var. n.** *arca*; *F. elongata* **var. n.** *minoris*; *F. variata* **sp. n.** Carboniferous, China, LEE **466**.

†Fusulinidae of the Carboniferous of Texas, THOMPSON **815**.

†*Gaudryina hectori* **sp. n.** Cretaceous, Alberta, NAUSS **578**; †*G.* (*Pseudogaudryina*) *claternae* **sp. n.** Eocene, Italy, SELLI **727**; †*G. deadericki* **sp. n.** Upper Cretaceous, Arkansas, CUSHMAN **188**; *G. aequa* **sp. n.** off South Carolina, United States, CUSHMAN **191**; †*G. hedburgi* Upper Cretaceous, Venezuela, CUSHMAN **186**.

†*Glandulina peelensis* **sp. n.** [**nom. n.** *G. nitida* ten Dam, 1945 (*non* Neugeboren)] Tertiary, Holland, DAM **220**; †*G. silvestrii* **sp. n.** Pliocene, Italy, SELLI **730**; *G. glans* d'Orbigny, systematic position, SELLI **730**.

†*Globigerina grimsdalei* **sp. n.** Oligomiocene, Cuba, KEIJZER **433**; †*G.* (*Globotruncana*) *marginata linnaeana* and *turona* **subspp. n.** Upper Cretaceous, Westphalia, OLBERTZ **588**.

†*Globigerinella loetterli* **sp. n.** Cretaceous, Alberta, NAUSS **578**.

†*Globigerinoides semiinvolutus* **sp. n.** Eocene, Cuba, KEIJZER **433**.

†*Globobulimina glabra* **sp. n.** [for ? *Bulimina pyrula* Brady, 1884 (*non* d'Orbigny)] Pliocene, Italy, CUSHMAN & PARKER **199**; *G. auriculata* **forma n.** *gullmarensis* Gullmar Fjord, Norway & Skagerak, HÖGLUND **382**; *G. auriculata* **forma n.** *arctica* Spitzbergen, Greenland & Baffin Bay, HÖGLUND **382**.

†*Globoquadrina* **gen.n.** (genotype *Globoratalia dehiscens* Chapman, Parr & Collins, 1934) *subdehiscens* **sp. n.** [for *Globorotalia dehiscens* Finlay, 1940 & in subsequent lists (*non* Chapman, Parr & Collins)] Oligocene and Miocene; *G. primitiva* **sp. n.** [for *Globorotalia* aff. *dehiscens* Finlay (*non* Chapman, Parr & Collins)] ranging from Danian to Lutetian, New Zealand, FINLAY **293**.

†*Globorotalia lacerti* **sp. n.** Cretaceous, Trinidad, CUSHMAN & RENZ **200**; *G. cushmani* Morrow, Cretaceous: nomenclature, KIKOÏNE **442**.

†*Globotruncana spinea* **sp. n.** Cretaceous, north Pyrenees, KIKOÏNE **441**; †*G. orenzi*, note on, THALMANN **802**.

†*Glomospira disca* **sp. n.** Carboniferous, Illinois, COOPER **162**; †*G. gordialis* **var. n.** *diffundens*, Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**; *G. glomerata* **sp. n.** Gullmar Fjord, Norway, HÖGLUND **382**.

†*Grabauina* **gen. n.** *disca* **sp. n.** Taiynan series, China, LEE **469**.

†*Gypsina mastelensis* **sp. n.** Tertiary, Moluccas, BURSCH **112**.

†*Gyroidina dissimilis* **sp. n.** Oligocene, Trinidad, B.W.I., CUSHMAN & RENZ **202**; †*G. chirana* **sp. n.** Eocene, Peru, CUSHMAN & STONE **205**; †*G. nipponica* **sp. n.** Recent & Pliocene, Formosa, ISHIZAKI **412**.

Haplophragmium membranaceum, fragile, pusilum **spp. n.** Gullmar Fjord, Norway, HÖGLUND **382**.

†*Haplophragmoides periferoexcavata, inaequilateralis* **spp. n.** Tertiary, Russia, SUBBOTINE **781**; †*H. collyra, rugosa* [for *H. rugosa* Cushman, 1927 (*non* Cushman & Waters)], *rota* **spp. n.**; *H. gigas* **var. n.** *minor* Cretaceous, Alberta, NAUSS **578**; †*H. flageri* **var. n.** *trinitatensis* Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**.

†*Hantkenina alabamensis* **subsp. n.** *compressa* Tertiary, Victoria, Australia, PARR **608**; †*Hantkenina* in Italy, ALLIATA **27**.

†*Helicolepidina spiralis* **var. n.** *trinitatis* Eocene, Trinidad, B.W.I. [record of this variety in Verh. Schweiz. Naturf. Ges. **123** 1943 p. 108 is **nom. nud.**], BRÖNNIMANN **100**.

†*Helicostegina soldadensis* **sp. n.** Paleocene, Trinidad, GRIMSDALE [in Vaughan & Cole **840**.]

†*Heterostegina nuda* **sp. n.** Eocene, Cuba, KEIJZER **433**.

†Reinstatement of *Heterosteginoides* and classification of the Miogypsinidae, HANZAWA **354**.

Hippocrepina cylindrica **sp. n.** Skagerak, HÖGLUND **382**; †*H. depressa* **sp. n.** Cretaceous Moravia, VAŠÍČEK **838**.

Hippocrepinella acuta **sp. n.** Gullmar Fjord, Norway, HÖGLUND **382**.

†*Hopkinsonia mioindex* **sp. n.** Miocene, New Zealand, FINLAY **293**.

†*Hormosina globulifera* **var. n.** *trinitatensis* [for *H. g.* Cushman & Jarvis, 1928 & 1932 (*non* Brady)] Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**.

Hyperammina fragilis **sp. n.** Gullmar Fjord, Norway, HÖGLUND **382**.

†*Karreriella baccata* **var. n.** *alaskensis* Pliocene and Pleistocene, Alaska, CUSHMAN & TODD **206**.

†*Kelyphistoma* **gen. n.** *ampulloloculata* **sp. n.** (genotype) Oligomiocene, Cuba, KEIJZER **433**.

†*Kyphopyxa* in Cretaceous, California, CHURCH **140**.

Labrospira **gen. n.** (genotype *Haplophragmium Crassimargo* Norman) *kosterensis* **sp. n.** [for *H. canariense* Norman, 1892 (*pro parte*?) (*non* d'Orbigny)] Koster Channel, HÖGLUND **382**.

†*Lacazina reicheli* **sp. n.** Tertiary, Moluccas, BURSCH **112**.

†*Lacosteina* **gen. n.** *gouskovi* **sp. n.** (genotype), Cretaceous, Morocco, MARIE **511**.

†*Laffitteina* **gen. n.** *bibensis* (genotype), *monodi* **spp. n.** Montian, France, MARIE **513**.

†*Lagena globosa spiphonifera* **subsp. n.**, *L.* (*Fissurina*) *marginata costata* **subsp. n.** Upper Cretaceous, Westphalia, OLBERTZ **588**; †*L. scarenaensis* **varr. n.** *deprusula, glarata*; *L. gortani* **sp. n.** Eocene, Italy, SELLI **727**; †*L. laevis* **var. n.** *baggi* [for *L. laevis* (*pro parte*) Bagg, 1912 (*non* Montagu)], *L. pliocenica* **var. n.** *discrepans, L. striato-punctata* **var. n.** *tricosta, L. submagnifica* **sp. n.** Pliocene, California, CUSHMAN & GRAY **197**.

†*Lamarckina hemiglobosa* **sp. n.** [for *Discorbina pileolus* Chapman (*non* d'Orbigny)] Albian of France and probably Britain, DAM **214**.

†*Lepidocyclina hilli, georgiana, fragilis, pseudocarinata, cookei, attenuata, floridana, pseudomarginata, ocalana* **spp. n.**; *L. o.* **var. n.** *subdecorata*; *L. mortoni* **sp. n.** Eocene; *L. chattahoocheënsis* **sp. n.**; *L. gigas* **var. n.** *mexicana* Oliogocene U.S.A., CUSHMAN **184**; †*L. crucifera* **sp. n.** Burdigalian, Borneo, MOHLER **547**; †*L.* (*Eulepidina*) *cufraica* **sp. n.** [for *L.* sp. Nuttall, 1926] Oligocene, north Africa, SILVESTRI **746**; †*L.*

(*Nephrolepidina*) *sanfernandensis* **sp. n.** Eocene, Trinidad, B.W.I., VAUGHAN & COLE **840**; †*L. weberi* **sp. n.** Tertiary, Moluccas, BURSCH **112**.

†*Lepidorbitoides paronai* **var. n.** *asimmetrica* [for *L. paronai* Silvestri, 1907 p. 168, & 1908, p. 150]; *L. p.* **var. n.** *inermis* Cretaceous, Italy, MARCHESINI **508**.

Liebusella goësi **sp. n.** [for *Bigenerina digitata* Goës, 1894 (*non* d'Orbigny) & *B. cylindrica* Nørvang, 1941] Gullmar Fjord, Norway, Skagerak & Kattegat, HÖGLUND **382**.

Lingulina pseudocarinata [*L. carinata* Sidebottom, 1907 (*pro parte*; *non* d'Orbigny)], *simplex, aselliformis* [for *L.* [*Frondicularia*] *spathulata* Sidebottom (*non* Brady)] **spp. n.**; *L. pellucida* **var. n.** *dendiculata*; *L. conigera* [for *L. pellucida*? Heron-Allen & Earland (*non* Sidebottom)] *neglecta* [for *L. carinata* Sidebottom, 1907 (*pro parte*; *non* d'Orbigny) and *L. biloculi* Heron-Allen & Earland, 1913 (*pro parte*; *non* Wright)], *cucullifera, incisa, inarimensis, lagenoides* [for ?*Lagena falcata* Heron-Allen & Earland, 1913 (*non* Chaster)], *cenariensis* **spp. n.** mainly Recent, Gulf of Naples, Mediterranean, BUCHNER **107**; †*L. praelonga* **sp. n.** [for *Frondicularia loreyi* Eichenberg, 1935 (*non* Berthelin)] Cretaceous, Holland, DAM **216**; †*L. naheolensis* **sp. n.** [**nom. n.** for *L. minuta* Cushman 1944 (*non* Franke)] Paleocene, Alabama, CUSHMAN **187**.

†*Listerella guatanamensis* **sp. n.** Oligocene, Cuba, KEIJZER **433**.

†*Lituonella inflata* **sp. n.** [for *Lituonella* sp.? Cushman, 1937] Eocene, Cuba, KEIJZER **433**.

†*Lituotuba chirana* **sp. n.** Eocene, Peru, CUSHMAN & STONE **205**.

†*Lockhartia hunti* **sp. n.** Eocene, British Somaliland, OVEY **592**.

†*Loxostomum deadericki* **sp. n.** Paleocene, Arkansas, †*L. d.* **var. n.** *exilis* Paleocene, Alabama, CUSHMAN **190**; †*L. truncatum* **sp. n.** Miocene, New Zealand, FINLAY **293**; †*L. capriciosum* **sp. n.** Eocene, Cuba, KEIJZER **433**; †*L. lammersi* **sp. n.** Lower Pliocene, Holland, CUSHMAN & DAM **196**; †*L. trinitatensis* **sp. n.** Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**.

Marginulina villa **sp. n.** off South Carolina, United States, CUSHMAN **191**; †*M. hechti* **sp. n.** [for *M. linearis* Eichenberg, 1933 (*non* Reuss)] Cretaceous, Holland, DAM **216**; †*M. casacstanica* **sp. n.** Jurassic, Russia, KASANZEV **430**; †*M. costata* **var. n.** *caribbeana* [for ? *Marginulina* sp. Nuttall, 1932] *M. tschoppi* **sp. n.** oligomiocene, Cuba, KEIJZER **433**.

†*Marginulinopsis spinobesa, marwicki* **spp. n.** Eocene, New Zealand, FINLAY **293**.

†*Marssonella oxycona* **var. n.** *trinitatensis* [for *Gaudryina oxycena* Cushman & Jarvis, 1932 (*non* Reuss)] Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**.

†*Martinottiella paleocenica* **sp. n.** Paleocene, Alabama, CUSHMAN **190**.

†*Massilina kôsyunensis* **sp. n.** Pliocene, Formosa, ISHIZAKI **409**; †*M. bella, humilis* **spp. n.** Lutetian, France, LE CALVEZ **465**.

†*Miliammina sproulei* **sp. n.** Cretaceous, Alberta, NAUSS **578**.

†*Miliola robusta* **sp. n.** Lutetian, France, LE CALVEZ **465**.

†Miliolidae of the Lutetian of the Paris basin, LE CALVEZ **465**.

†*Millerella chesterensis, kinkaidensis, zelleri* **spp. n.** Carboniferous, Illinois, COOPER **162**.

†*Miogypsininae* **subfam. n.**, †*Miogypsinoidinae* **subfam. n.** HANZAWA **354**.

†*Miscellanea tobleri, soldadensis,* **spp. n.** Eocene, Trinidad, B.W.I., VAUGHAN & COLE **840**.

Morulaeplecta **gen. n.** *bulbosa* **sp. n.** (genotype) Gullmar Fjord, Norway, Skagerak & Kattegat, HÖGLUND **382**.

†*Multispirina* **gen. n.** *iranensis* **sp. n.** Upper Cretaceous, Iran, REICHEL **657**.

†*Nankinella plummeri* **sp. n.** [for *Ozawainella*? Thompson, 1942] Carboniferous, Texas, THOMPSON **815**.

†*Nodosarella kugleri, hedbergi* **spp. n.** Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**.

†*Nodosaria boffalorae* **var. n.** *fantinii*; †*N.* **sp. n.** (no name given) Eocene, Italy, SELLI **727**; †*Nodosaria* **sp. n.** (no name given) Eocene, Dalmatia, MONTAGNE **548**; †*N.* (*Dentalina*) *maj-*

zoni **sp. n.** Oligocene, Hungary, JASKÓ **417**; †*N. rugosa* **sp. n.** [for *Dentalina* sp. (? n. sp.) and *N.* sp. Eichenberg, 1935] Cretaceous, Holland, DAM **216**; †*N. chirana, frizzelli* **spp. n.** Eocene, Peru, CUSHMAN & STONE **205**.

†*Nonion pachecoi* **sp. n.** Cretaceous, Sahara, COLOM **158**; *N. sloani* **var. n.** *nitida* off Florida, United States, CUSHMAN **191**; †*N. chiranum* **sp. n.** Eocene, Peru, CUSHMAN & STONE **205**; †*N. nipeense* **sp. n.** Oligomiocene, Cuba, KEIJZER **433**.

Nonionella opima, atlantica **spp. n.** off Florida, United States, CUSHMAN **191**; †*N. kingmani* **sp. n.** Oligomiocene, Cuba, HERMES **376**.

†*Nubecularia* in the Permian and Carboniferous of Kansas, JOHNSON **426**.

†*Nummulites umbilicata, bironensis* **spp. n.**; *N. anomala* **var. n.** *granulosa* Eocene, France, CIZANCOURT **145**; †*N. boninensis* **sp. n.** Eocene, Bonin Islands, Pacific, HANZAWA **353**.

†*Nuttallides carinotrumpyi* **sp. n.** Paleocene and Eocene; *N. cretatrumpyi* **sp. n.** Cretaceous, New Zealand, FINLAY **293**.

†*Operculina* **sp. n.** aff. *complanata* (no name given) Miocene, New Zealand, FINLAY **292**.

†*Operculinoides soldadensis, kugleri, tamanensis, bullbrooki* **spp. n.**; *O. semmesi* **var. n.** *ciperensis* Tertiary, Trinidad, B.W.I., VAUGHAN & COLE **840**.

†*Ophthalmidium liasicum* (genotype) and *O. carinatum*: Re-examination and description, WOOD **880**.

†*Orbignyna pyrei* Upper Cretaceous, Venezuela, CUSHMAN **186**.

†*Orbignyna pyrei* Upper Cretaceous, Venezuela, CUSHMAN **186**.

†*Orbitocyclinoides* **subgen. n.** (of *Orbitocyclina*) *schencki* **sp. n.** (subgenotype) Cretaceous, Iran, [records of this subgenus and species in Verh. schweiz. naturf. Ges. **123** 1943 p. 108 are **nom. nud.**], BRÖNNIMANN **100**.

†Synopsis of the Orbitoididae, RUTTEN **694**; Orbitoids of the Maestrichtian of Italy, MARCHESINI **508**.

†*Orbulinaria fallax pyramidalis* **subsp. n.** Upper Cretaceous, Westphalia, OLBERTZ **588**.

†*Orthophragmina clarki, hayesi* Eocene, U.S.A., CUSHMAN **184**.

†*Palaeotextularia asper* **sp. n.** Carboniferous, Illinois, COOPER **162**.

†*Palmerinella thalmanni* **sp. n.** Tertiary, Ecuador, STAINFORTH & STEVENSON **764**.

Parafissurina **gen. n.** (genotype *Lagena ventricosa* A. Silvestri), PARR **609**.

†*Parafusulina imlayi, skinneri, sonaraensis,* **spp. n.** Permian, Mexico, DUNBAR **269**.

Pelosina variabilis **var. n.** *sphaeriloculum* Norwegian Channel and Skagerak, HÖGLUND **382**.

†*Pernerina depressa* (Perner) in Upper Cretaceous, Holland, DAM & REINHOLD **226**.

Pilulina argentea **sp. n.** Skagerak, HÖGLUND **382**.

†*Planorbulina macphersoni* **sp. n.** Eocene; *P. zelandica* **sp. n.** Miocene, New Zealand, FINLAY **293**.

†*Plectofrondicularia proparri* **sp. n.** [for *P. parri* Finlay, 1939 (*pro parte*)] Oligocene, New Zealand, FINLAY **293**.

†*Planularia guttata* **sp. n.** Cretaceous, Holland, DAM **216**; †*P. formosa* **sp. n.** Oligomiocene, Cuba, KEIJZER **433**; †*Planularia* **sp. n.** (no name given) Eocene, Italy, SELLI **727**; †*P. deadericki* **sp. n.** Upper Cretaceous, Arkansas, CUSHMAN **188**.

†*Planulina alaskensis* **sp. n.** Pliocene or Pleistocene, Alaska, CUSHMAN & TODD **206**; †*P. marialana* **var. n.** *gigas* Oligomiocene, Cuba, KEIJZER **433**; †*P. wheeleri* **sp. n.** Tertiary, Ecuador, STAINFORTH & STEVENSON **764**; †*P. chirana, crenulaba, peruviana* Eocene, Peru, CUSHMAN & STONE **205**.

†*Plectofrondicularia dentifera* **sp. n.** Upper Eocene, Ecuador, CUSHMAN & STAINFORTH **203**; †*P. peruviana* **sp. n.** Eocene, Peru, CUSHMAN & STONE **205**.

†*Pleurostomella paleocenica* **sp. n.** [for *P. alternans* Plummer, 1927 (*non* Schwager) & *P. g. brevis* var. *alternans* Kline, 1943 (*non* Schwager)] Paleocene, Texas, CUSHMAN **190**.

†*Pliolepidina*, new definition, BRÖNIMANN **101**.

†*Polymorphina costulata* **sp. n.** [for *Frondicularia* sp. ten Dam & Reinhold, 1942] Miocene, Holland, DAM **211**; *P. kincaidi* **sp. n.** coast of Washington, U.S.A., CUSHMAN & TODD **207**.

†*Profusulinella marblensis* **sp. n.** Carboniferous, Texas, THOMPSON **815**.

Proteonina difflugiformis **var. n.** *calcarea* off Florida, United States, CUSHMAN **191**; †*P. testacea* **sp. n.** Cretaceous, Holland, DAM **217**.

†*Psammosiphon remeši* **sp. n.** Devonian, Bohemia, PRANTL **634**.

†*Psammosphaera delicatula, devonica, discoidea, rotunda* **spp. n.** Middle Devonian, Ohio, STEWART & LAMPE **770**.

†*Pseudoclavulina liebusi* **sp. n.** [**nom. n.** for ? *Clavulina parisiensis* Schwager, 1883 (*non* d'Orbigny) & *C. p.* Liebus (*non* d'Orbigny)] Eocene, Dalmatia, MONTAGNE **548**.

†*Pseudogaudryina* ?? *apennica* **sp. n.** Tertiary, Italy, GALLITELLI **316**.

†*Pseudoglandulina gallowayi* **var. n.** *sparcicostata* Oligomiocene, Cuba, KEIJZER **433**.

†*Pseudogoëssella* **gen. n.** *cubana* **sp. n.** Eocene, Cuba, KEIJZER **433**.

†*Pseudophragmina* (*Proporocyclina*) *tobleri* **sp. n.**; *P.* (*Athecocyclina*) *soldadensis* **sp. n.** Paleocene, Trinidad, B.W.I., VAUGHAN & COLE **840**; †*P.* (*Proporocydina*) *habanensis* **sp. n.** Eocene, Cuba, COLE & BERMÚDEZ **157**.

†*Pseudouvigerina cretacea* **var. n.** *triangularis* Cretaceous, Russia, DAÏN **209**.

†*Pulvinulina abatissae* **sp. n.** Eocene, Italy, SELLI **727**.

†*Pulvinulinella reticulata* **sp. n.** Oligocene, Cuba, KEIJZER **433**.

†*Pyramis parva* from the Permian, REICHEL **656**.

†*Pyrgo tainanensis* **sp. n.** Pleistocene, Formosa, ISHIZAKI **409**; †*P. eocenica* **sp. n.** Lutetian, France, LE CALVEZ **465**.

†*Quadratina* **gen. n.** *depressula* **sp. n.** (genotype) Cretaceous, France, DAM **215**.

†*Quinqueloculina grignonensis, lippa, hexacostata* **spp. n.**; †*Q. brevidentata* **sp. n.** [**nom. n.** for *Q. longidentata* Terquem 1882] Lutetian, France, LE CALVEZ **465**; †*Q. nahcolensis* **sp. n.**; †*Q. plummerae* **var. n.** *flectata* Paleocene, Alabama, CUSHMAN **190**; *Q. sabulosa, horrida* **spp. n.** off South Carolina, United States; *Q. compta* **sp. n.** off Florida, United States, CUSHMAN **191**; †*Q. adelaidensis* **var. n.** *minuta* Oligomiocene, Cuba, KEIJZER **433**; †*Q. makiyamai* **sp. n.** Pliocene, Formosa, ISHIZAKI **409**; †*Q. byramensis* **sp. n.** [**nom. n.** for *Q. bicostata* Cushman, 1922, (*non* d'Orbigny)] Eocene, Cuba, HERMES **376**; †*Q. sphaera* **sp. n.** Cretaceous, Alberta, NAUSS **578**.

†*Raadshoovenia* **gen. n.** *guatemalonsis* **sp. n.** Eocene, Guatemala, BOLD **86**.

†*Ramešella* **gen. n.** *mariae* **sp. n.** (genotype) Eocene, Moravia, VAŠÍČEK **838**.

Recurvoides trochamminiforme, laevigatum **spp. n.** Norwegian coastal waters, HÖGLUND **382**.

†*Reophax imitator* **sp. n.** Paleocene, New Zealand, FINLAY **293**; *Reophax catenate* **sp. n.** Gullmar & Malmö Fjords, Norway; *R. catella* **sp. n.** Gullmar Fjord, Norway & Skagerak; *R. rostrata* **sp. n.** Gullmar Fjord, Norway & Skagerak; *R. regularis* **sp. n.** Gullmar Fjord, Norway, North Sea & Skagerak, HÖGLUND **382**.

Reusella spinulosa **var. n.** *atlantica* off Florida, United States, CUSHMAN **191**.

Rhabdammina **sp. n.** Skagerak, HÖGLUND **382**.

†*Rhapidionina limbata* **sp. n.** Eocene, Guatemala, BOLD **86**.

†Rhapydionininae **subfam. n.** KEIJZER **433**.

†*Rimalina* **gen. n.** *pinatensis* **sp. n.** *grandis, longa* **varr. n.** Cretaceous, Pyrenees, PÉRÉBASKINE **617**.

Robertina oceanica **sp. n.** [for *Bulimina oceanica* Brady 1884 (*non* Reuss)] Pacific, CUSHMAN & PARKER **199**.

Robertinoides **gen. n.** (genotype *Bulimina normani* Goës) *suecicum, pumilum* **spp. n.** Norwegian coastal waters, HÖGLUND **382**.

†*Robulus adelinensis* **sp. n.** [for *Cristellaria crassa* Palmer & Bermúdez (*non* d'Orbigny)] *nipeensis* **var. n.** Oligomiocene, Cuba, KEIJZER **433**; †*R.*

insulsus [for *Cristellaria orbicularis* Plummer, 1926 (*non* d'Orbigny)], *piluliferus* **spp. n.** Paleocene, Alabama, CUSHMAN **190**; †*R. fissilis, chiranus* **spp. n.** Eocene, Peru, CUSHMAN & STONE **205**; †*R. insuetus* **sp. n.** Upper Eocene, Ecuador, CUSHMAN & STAINFORTH **203**; †*R. clericii* **var. n.** *acies* Oligocene, Trinidad, B.W.I., CUSHMAN & RENZ **202**.

†*Rotalia peñonensis* **sp. n.** Middle Eocene; †*R. primitiva* **sp. n.** Upper Cretaceous; †*R. pinarensis* **sp. n.** Lower Oligocene; †*R.* (?) *palmerae* **sp. n.** Middle Eocene; †*R. orientalis* **sp. n.** Upper Eocene; †*R. madrugaensis* **sp. n.** Paleocene; † *R. jabacoensis* **sp. n.** Upper Eocene; †*R. havanensis* **sp. n.** Paleocene; †*R. guantanamensis* **sp. n.** Lower Oligocene; †*R. capdevilensis* **sp. n.** Lower Eocene, Cuba, CUSHMAN and BERMÚDEZ **195**; †*R. exsculpta granulata* **subsp. n.** Upper Cretaceous, Westphalia, OLBERTZ **588**; †*R. bartoniana* **sp. n.** [**nom. n.** for *R. granulosa* ten Dam, 1945 (*non* Karrer)] Tertiary, Holland, DAM **220**.

†*Saracenaria frankei* **sp. n.** [for *S. italica* Eichenberg, 1935 (*non* Defrance)] Cretaceous, Europe, DAM **216**.

†*Schwagerina* von Möller, 1877: Type-species, SCHENCK **706**.

†*Seabrookia cretacea* **sp. n.** Cretaceous, Pyrenees, PÈRÉBARKINE **617**.

†*Semivulvulina prisca* **sp. n.** [for *Vulvulina advena* Finlay, 1939 (*pro parte*) (*non* Cushman)] Eocene; *S. ihungia* **sp. n.** Miocene, New Zealand, FINLAY **293**.

†*Siderina* **gen. n.** *douvillei* **sp. n.** Cretaceous, France, ABRARD **15**.

†*Sigmoilina trinitatensis* **sp. n.** Oligocene, Trinidad, B.W.I., CUSHMAN & RENZ **202**; †*S. personata* **sp. n.** Eocene, Borneo and Java, MOHLER **545**; †*S. cushmani* **sp. n.** [**nom. n.** for *S. sigmoidea* var. *compressa* Cushman, 1946 *non S. tchokrakensis* var. *compressa* Gherke, 1938] probably ranging from Eocene to Miocene or higher, New Zealand and Australia, FINLAY **293**.

†*Sigmoilopsis* **gen. n.** (genotype *Sigmoilina schlumbergeri* Silvestri *fide* Cushman, 1946 & Brady, 1884), FINLAY **293**.

†*Siphogenerinoides cretacea idkyensis* **subsp. n.** Cretaceous, Sahara, COLOM **158**.

†*Sorosphaera columbiense, bicelloidea* **spp. n.** Middle Devonian, Ohio, STEWART & LAMPE **770**.

†*Sorosphaeroidea* **gen. n.** *polygonia* **sp. n.** Middle Devonian, Ohio, STEWART & LAMPE **770**.

†*Spandelina triassica* **sp. n.** Trias, Germany, LIEBUS **477**.

†*Spiroclypeus bullbrooki* **sp. n.** [for *S.* sp. Vaughan, 1929] Oligocene, Trinidad, B.W.I., VAUGHAN & COLE **840**.

†*Spiroloculina ubiqua* **sp. n.** [**nom. n.** for *S. angulifera* Terquem, 1882]; †*S. parisiensis* **sp. n.** [**nom. n.** for *Triloculina tricosta* Terquem 1882 (*non* d'Orbigny)]; †*S. contorta* **sp. n.**; †*S. carinata* **sp. n.** [**nom. n.** for *S. ornata* & *S. striata* Terquem, 1882] Lutetian, France, LE CALVEZ **465**; *S. atalantica* **sp. n.** off Florida, United States, CUSHMAN **191**.

†*Spiroplecta turona* **sp. n.** Upper Cretaceous, Westphalia, OLBERTZ **588**.

†*Spiroplectammina rectangularis* **sp. n.** Cretaceous, Holland, DAM **217**; †*S. paleocenica* **sp. n.** Paleocene, Alabama, CUSHMAN **190**.

†*Spiroplectinata westfalica* **sp. n.** Upper Cretaceous, Westphalia, OLBERTZ **588**.

†*Stacheia triassica* **sp. n.** Trias, Germany, LIEBUS **477**.

†*Staffella expansa* **sp. n.** Carboniferous, Texas, THOMPSON **815**; †*S. haymanaensis* [for *S.* sp. Ciry & Chaput, 1936], *chaputi* **spp. n.** Permian, Turkey, CIRY **143**.

†*Stilostomella joculator* **sp. n.** Miocene, New Zealand, FINLAY **293**.

†*Taberina* **gen. n.** *cubana* **sp. n.** (genotype) Danian-Montian, Cuba, KEIJZER **433**.

†*Technitella archaeonitida* **sp. n.** Tertiary, Oligocene, STAINFORTH & STEVENSON **764**; *T. atlantica* **sp. n.** off Florida, United States, CUSHMAN **191**.

†*Textularia eyrei* **sp. n.**? Eocene; *T. pseudomiozea* **sp. n.** [for *T. miozea* Finlay, 1939 (*pro parte*)] Oliogocene; *T. kapitea, gladizea* **spp. n.** Miocene,

New Zealand, FINLAY **293**; *T. skagerakensis* **sp. n.** Skagerak; *T. contorta* **sp. n.** Gullmar Fjord, Norway; *T. bocki, truncata, gracillima* **spp. n.** Norwegian and neighbouring waters, HÖGLUND **382**; †*T. carinata* **var. n.** *mucronata* Oligocene, Hungary, JASKÖ **417**; †*T. akaminei, hosonoi* [for *Textularia*? sp. Ishizaki, 1939] **spp. n.** Miocene, Formosa, ISHIZAKI **412**; †*T. cubensis* **var. n.** *nipeensis* Tertiary, Cuba, KEIJZER **433**; †*T. portenta* **sp. n.**; †*T. plummerae* **var. n.** *arkansasana* [for *T. plummerae* var. Cushman & Todd, 1946] Paleocene, Arkansas, CUSHMAN **190**; †*T. sculpturata* **sp. n.**; †*T. decrescens* **sp. n.** Lower Pliocene, Holland, CUSHMAN & DAM **196**.

†*Textulariella trinitatensis* **sp. n.** *subcylindrica* **var. n.** Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**; †*T. raadshooveni* **sp. n.** Oligomiocene, Cuba, KEIJZER **433**.

†*Tholosina*? *circularis, ovoidea* **spp. n.** Middle Devonian, Ohio, STEWART & LAMPE **770**.

Thurammina(?) *sphaerica* **sp. n.** Fjords of Norway, HÖGLUND **382**; †*T. ovalis* **sp. n.** Tertiary, Russia, SUBBOTINE **781**.

Torresina **gen. n.** *intermedia, haddoni* (genotype) **spp. n.**, tropical waters, off Australia, PARR **607**; †*Trepeilopsis mississippiana* **sp. n.** Carboniferous, Illinois, COOPER **162**.

†*Triloculina taiwanica* **sp. n.** Pliocene, Formosa, ISHIZAKI **409**; †*T. crenulata, pseudo-hemisphaerica, frederica* **spp. n.** Lutetian, France, LE CALVEZ **465**.

†*Triplasia temirica* **sp. n.** Jurassic, Russia, DAÏN **209**; †*T. grosserugosa* **sp. n.** Cretaceous, Holland, DAM **216**.

†*Tristix acutangula* **var. n.** *lamellosa* [for *Rhabdogonium tricarinatum* Burrows, Sherborn & Bailey, 1890 (*non* d'Orbigny)]; *T. crassa* **sp. n.** Cretaceous, Holland, DAM **216**.

†*Tritaxalina pentagonalis* **sp. n.** [for *T.* sp. van Bellen *in litt.*] Eocene, Dalmatia, MONTAGNE **548**.

Genus *Trocholina* in the Eocene of West Borneo, MOHLER **546**.

†*Trochammina globigeriformis* **var. n.** *altiformis* [for *T. g.* Cushman & Jarvis, 1928 & 1932 (*non* Parker Jones)], *T. ruthven-murrayi* **sp. n.** Cretaceous, Trinidad, B.W.I., CUSHMAN & RENZ **200**; †*T. parallela* **sp. n.** Upper Cretaceous, Texas, CUSHMAN & APPLIN **194**; *Trochammina pusilla, labiosa, stellata, multiloculata* **spp. n.** Norwegian coastal and neighbouring waters; *T. intermedia, bullata* **spp. n.** Skagerak; *T. globigeriniformis* **var. n.** *pygmaea* Skagerak, HÖGLUND **382**.

†*Trochamminoides glomospiroides* **n. forma** Tertiary, Italy, GALLITELLI **316**.

†*Trocholina floridana* **sp. n.** Lower Cretaceous, Florida, CUSHMAN & APPLIN **193**.

†*Trybliolepidina* **sp. n.** aff. *rutteni* (no name given) Miocene, New Zealand, FINLAY **292**.

†*Tschoppina* **gen. n.** (genotype *Pseudorbitolina cubensis* Cushman & Bermúdez), *T. cubensis* **var. n.** *pustulosa* Eocene, Cuba, KEIJZER **433**.

†*Turritelella procera* **sp. n.** Trias, Germany, LIEBUS **477**.

†*Uvigerina chirana, peruviana* **spp. n.** Eocene, Peru, CUSHMAN & STONE **205**; †*U. cushmani* **sp. n.** [Todd, MS] Pliocene or Pleistocene, Alaska, CUSHMAN & TODD **206**; †*U. pigmaea* **var. n.** *caribbeana*; *U. finelineata, nipeensis* **spp. n.** Oligomiocene, Cuba, KEIJZER **433**.

†*Vaginulina pliocenica* **sp. n.**, *V. advena* **var. n.** *pauciloculata* Pliocene, California, CUSHMAN & GRAY **197**; †*V. subrotunda* **sp. n.** Cretaceous, Holland, DAM **216**; †*V. takaoensis* **sp. n.** Pliocene, Formosa, ISHIZAKI **409**; †*V. obtusicosta* **sp. n.** [**nom. n.** for *V. striatula* ten Dam & Reinhold, 1942 (*non* Roemer)] Miocene, Holland, DAM & REINHOLD **231**.

†*Vaginulinopsis reticulosa, pachynota* **spp. n.** Cretaceous, Holland, DAM **216**.

†*Valvulammina plana* **sp. n.** Eocene Cuba, KEIJZER **433**.

†*Valvulina germeraadii* **sp. n.** Eocene, Guatemala and British Honduras, BOLD **86**; †*V. trochoides elongata* **subsp. n.** Upper Cretaceous, Westphalia, OLBERTZ **588**.

†*Valvulineria crassisepta* **sp. n.** Oligomiocene, Cuba, KEIJZER **433**; †*V. lobata* **sp. n.** Cretaceous, Mississippi, CUSHMAN & APPLIN **194**; †*V. nipponica* **sp. n.** Pliocene, Formosa, ISHIZAKI **412**; †*V. gracillima* **sp. n.** [**nom. n.** for *Placentula nitida* Berthelin, 1880 (*non* Reuss) and *Rotalia soldanii* var. *nitida* Chapman, 1898 (*non* Reuss)] Cretaceous, Holland, DAM **217**; †*V. peruviana, chirana* **spp. n.** Eocene, Peru, CUSHMAN & STONE **205**.

†*Verneuilina carinata, nuevitasensis* **spp. n.** Eocene, Cuba, HERMES **376**; †*V. wicheri* **sp. n.** Upper Cretaceous, Westphalia, OLBERTZ **588**; *V. media* **sp. n.** Gullmar Fjord, NORWAY, Skagerak & Kattegat, HÖGLUND **382**; †*Verneuilina* [misprinted *Berneuilina*] *chapmani* **sp. n.** [for *Bulimina polystropha* Chapman, 1894 (*non* Reuss.)] Cretaceous, Europe, DAM **216**; †"*Verneuilina*" *cummingensis* **sp. n.** Cretaceous, Alberta, NAUSS **578**.

Virgulina skagerakensis concava **spp. n.** Norwegian coastal waters, HÖGLUND **382**.

†*Vulvulina eocaena* **sp. n.** [for *V.* sp. n. Keijzer, 1938] Eocene, Dalmatia, MONTAGUE **548**; †*V. zespinosa* [for *V. advena* Finlay, 1939 (*pro parte*) (*non* Cushman)], *espinosa* [for *V.* (*Semivulvulina*) *capitata* Finlay, 1939 (*non* Stache)] **spp. n.** Paleocene *V. bortonica* **sp. n.** [for *V. advena* Finlay, (*pro parte*) (*non* Cushman) and *V.* aff. *colei* Cushman; Finlay, 1939] Eocene; *V. granulosa* **sp. n.** Oligocene, New Zealand, FINLAY **293**; † *V. chirana* **sp. n.** Eocene, Peru, CUSHMAN & STONE **205**; †*V. stainforthi* **sp. n.** Oligocene, Trinidad, B.W.I., CUSHMAN & RENZ **202**.

†*Webbinelloidea* **gen. n.** *hemispherica, similis* (genotype), *sola, trilocularis* **spp. n.** Middle Devonian, Ohio, STEWART & LAMPE **770**.

†*Wellmanella* **gen. n.** *kaiati* **sp. n.** (genotype) Eocene, New Zealand, FINLAY **293**.

†*Zeauvigerina teura* **sp. n.** Cretaceous, New Zealand, FINLAY **293**.

(d) Heliozoa

Heliozoa from neighbourhood of Buenos Aires, Argentine, CARBONELL **120**.

(e) Radiolaria

Radiolaria, Eocene, California, CLARK & CAMPBELL **147**.

†Devonian radiolaria from the Bosphorus, DAVIS [in MCCALLIEN **495**].

†*Aegosprysis* (?) *transitionalis, incerte, coronata* **spp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Anthocyrtidium pupa* **sp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Anthocyrtium* (*Anthrocyrturium*) *byronense* **sp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Amphymenium* (*Ommathymenium*) *splendiarmatum* **sp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Archiocrys* (?) *urceolata* **sp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Bathrocalpis* **gen. n.** *campanula* **sp. n.** (genotype) Eocene, California, CLARK & CAMPBELL **147**.

†*Brachiospyris* (?) *megaloporaspyris* **sp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Calocyclas* (*Calocycletta*) *semipolita* **sp. n.** *semipolita, robusta* **subspp. n.**; *C.* (*C.*) *extensa* **sp. n.** *contracta* **var. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Canthospyris macropodus* **sp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Carposphaera* (*Melittosphaera*) *magnaporulosa, buxiformis* **spp. n.**; *C.* (*Cerasosphaera*) *minima* **sp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Cenosphaera* (*Circulosphaera*) *veneris* **sp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Clathrocyclas* (*Clathrocyclia*) *universa* **sp. n.** *universa, undella* **subspp. n.**; *C.* (*C.*) *u.* **varr. n.** *cylindrica, longispina, grandis, amplaspina* Eocene, California, CLARK & CAMPBELL **147**.

†*Cyphanta* **sp. n.** (no name given) Devonian, Turkey, DAVIS [in MCCALLIEN **495**].

†*Dictyocephalus* (*Dictyoporora*) *obesus, longicollis, pulcherrimus* **spp. n.** *pulcherrimus, curtus* **subspp. n.** Eocene, California, CLARK & CAMPBELL **147**.

†*Dictyophimus* (*Dictyophimium*) *splendens, babylonis, ceratium* **spp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Dorylonchidium* (*Dorylonchella*) *monoxyphos* **sp. n.** *monoxyphos, brachioxyphos* **subspp. n.**; *D.* (*Dorylonchomma*) *fructiforme* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Druppatractus* (*Druppatractaria*) *trichopterus, polycentrus* **spp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Ellipsostylus* (*Ellipsostyletta*) *parvus, anisoxyphos* **spp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Ethmosphaera* (*Ethmosphaeromma*) *ethmosiphonia* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Gorgospyris* (*Gorgospyrium*) *lamellipes, hexapodalia, cystophora* **spp. n.**; *G.* (*G*) *c.* **varr. n.** *cystophora, brevipes*; *G.* (*G.*) *hemisphaerica* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Heliodiscus* (*Heliodiscetta*) *quadratus, inca, heliastericus, pentasteriscus, hexastericus, linckiaformis* **spp. n.**; *H.* (*Heliodiscomma*) *perplexus, saturnalis* **spp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Hexalonche* (*Hexalonchetta*) *nortonvillensis* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Hexaspyris* (*Hexaspyridium*) *markleyensis* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Larcidium etroplus* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Lithatractus* (*Lithtractaria*) *hederae, pterosphaerus* **spp. n.**; *L.* (*Lithatractona*) *pierinae* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Lithocampana* **gen. n.** *lithoconella* **sp. n.** (genotype) Eocene, California, CLARK & CAMPBELL **147.**

†*Lithocampe* (*Lithocampula*) *minuta* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Lithochytris* (*Lithochytridium*) *cheopsis* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Lithromelissa* (*Acromelissa*) *acutispina* **sp. n.**; *L.* (*Micromelissa* [?]) *bifurcata* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Lithomitra* (*Lithomitrissa*) *urnula, elizabethae* **spp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Lophoconus titanothericeraos* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Lophopaena* (*Lophophaenula*) *auriculaleporis* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Lychnocanium* (*Lychnocanella*) *longiapicale, conicum* **spp. n.**; *L.* (*Lychnocanissa*) *bellum* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Pentaspyris paradoxa* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Phormocyrtis ligulata, proxima* **spp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Podocyrtis* (*Podocyrtidium*) *fasciata* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Porodiscus* (*Trematodiscus*) *circularis, parvus* **spp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Prunopyle occidentalis* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Rhopalodictyum* (*Rhopalodictya*) *californicum* **sp.n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Sethocyrtis principii* **sp. n.** *principii, longispina* **subspp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Sethopilium heterope* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Sethopyramis* (*Cephalopyramis*) *magnifica* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Soreume* (*Soreumium* [?] *magnicum* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Spongarus* (*Spongurantha*) *bilobatus, spatulaeformis* **spp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Spongasteriscus* (*Spongasteriscinus*) *cruciferus* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Spongodiscus* (*Spongocyclia*) *communis* **sp. n.**; *S.* (*Spongodisculum* [?]) *velella* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Spongolene lataformis* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Spongoporunum densum, markleyense* **spp. n.**; *S. m.* **var. n.** *ovum* Eocene, California, CLARK & CAMPBELL **147.**

†*Spongotrochus* (*Stylospongidium*) *echinodiscus* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Staurodictya* (*Staurodictyon*) *targaeformis, costata* **spp. n.**; *S.* (*Stuarospira*) *bipolaris* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Staurodoras eocenica* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Stylodictya* (*Stylodictyon*) *inaqualiespina, minima* **spp. n.**; *S.* (*S.* [?]) *sexispinata* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Stylosphaera* (*Stylosphaerantha*) *megaxyphos* **sp.n.***m egaxyphos, trixyphos, tetraxyphos, pentaxyphos* **subspp. n.**; *S.* (*S.*) *minor* **sp. n.** *minor, leptoxyphos* **subspp. n.**; *S.* (*Stylosphaerella*) *hexaxyphophora* **sp. n.** *hexaxyphora* **subsp. n.**; *S.* (*S.*) *h.* **var. n.** *pentaxyphophora*; *S.* (*S.*) *h.* **subsp. n.** *octoxyphophora*; *S.* (*S.*) *trixyphophora, gonioxyphos* **spp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Stylotrochus* (*Stylotrochiscus*) *festivus* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Tessarospyris* (?) *bicaudalis* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Thecosphaera* (*Thecosphaerella*) *californica* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Theocyrtis* (*Theocorypha*) *diabloensis* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Tripilidium* (*Tristylocorys*) *longipes* **sp. n.** *longipes, brevipes* **subspp. n.**; *T.* (*T.*) *clavipes* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Tripocyrtis curtidiscus* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Tripospyris* (*Tripospyrella*) *clathrata* **sp. n.**; *T.* (*T.* [?]) *crassipes* **sp. n.**; *T.* (*Tripospyrantha* [?]) *dubia* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Xiphodictyon* (*Xiphodictyon*) *amphixiphos* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

†*Zygospyris* (?) *duplex* **sp. n.** Eocene, California, CLARK & CAMPBELL **147.**

2.—MASTIGOPHORA

A. PHYTOMASTIGINA

(a) Chrysomonadida

Braarudosphaera **gen. n.** (genotype *Pontosphaera bigelowi* Gran & Braarud) North Atlantic, DEFLANDRE **246.**

Braarudosphaeridae **fam. n.**, DEFLANDRE **246.**

(b) Crytomonadida

[No record.]

(c) Dinoflagellata

†Dinoflagellates in Cretaceous flints, France, DEFLANDRE **241.**

Dinoflagellata from the Gulf of Pé-Hai, China, WANG **849.**

Listed Dinoflagellata in neritic zone, Mediterranean, MARGALEF **510.**

The genera *Histioneis* and *Parahistioneis* in the Mediterranean, San Remo, Italy, RAMPI **646.**

†*Calciodinellum* **gen. n.** *operosum* **sp. n.** Sahelian, Oran, DEFLANDRE **245.**

Ceratium pulchellum **var. n.** *jörgenseni* China coastal waters, WANG **849.**

Ellobiocystis **gen.** (**nom. n.** for *Ellobiopsis caridarum*), COUTIÈRE **174.**

Ellobiopsidae divided into 3 genera: *Ellobiopsis, Staphylocystis* **nom.n.** (q.v.), *Ellobiocystis* **nom. n.** (q.v.), COUTIÈRE **174.**

Ellobiopsis racemosus **sp. n.** parasitic on *Pasiphaea tarda* (*vide Staphylocystis*), COUTIÈRE **173.**

†*Gymnodinium marthae, strombomorphum, laticinctum, decorum, tortulosum,* **spp. n.** from flint, Cretaceous, France, DEFLANDRE **241.**

Histioneis alata, expansa, detonii, subcarinata [for *H. remora* Jörgensen, 1923 and *H. carinata* Rampi, 1940] **spp. n.** off San Remo, Mediterranean, RAMPI **646.**

Metadinophysis **gen. n.** *sinensis* **sp. n.** Bay of Ching-lan, China Sea, WANG **585.**

†*Palæohystrichophora paucisetosa* **sp. n.** from flint, Cretaceous, France, DEFLANDRE **241.**

Parahistioneis acutiformis, sphaeroidea **spp. n.** of San Remo, Mediterranean, RAMPI **646**.

†*Pareodinia* **gen. n.** *ceratophora* **sp. n.** (genotype) Jurassic, France, DEFLANDRE **243**.

Peridinidae of the Venetian Lagoon, Italy, BRUNELLI **105**.

Peridinium parapentagonum **sp. n.** China coastal waters, WANG **849**; *Peridinium* species, Shimoda Bay, Japan, ABÉ **12**.

Staphylocystis **gen. n.** (**nom. n.** for *Ellobiopsis racemosus*), COUTIÈRE **174**.

†*Stephodinium pellucidum* **sp. n.** from flint, Cretaceous, France, DEFLANDRE **241**.

(d) Euglenoidida

Euglena crescentia **sp. n.** from ponds, U.S.A., PACKARD **598**.

Euglenosoma **gen. n.** *branchiates* **sp. n.** from gills of fishes, *Pomoxis* **spp.**, U.S.A., DAVIS **235**.

Lepocinclis: new spp. and varr., China, CHU **137, 138**; *L. ovum* **var. n.** *obesa*; *L. nankingensis* **sp. n.**; *L. biitschlii* **van. n.** *wangi*; *L. steinii* **varr. n.** *spiro-striata, elliptica*; *L. caudata* **varr. n.** *wuhienweni, chinlingensis*; *L. agilis* **sp. n.** freshwater, Nanking, China, CHU **137**; *L. autumnalis, wangi* **spp. n.**; *L. w.* **var. n.** *conica*; *L. deflandriana* **sp. n.** [for *L. kufferathi* Deflandre, 1932] **var. n.** *pyriformis*; *L. hispidula, hungpanchiaoensis* **spp. n.**; *L. ovum* **var. n.** *caudata*; *L. cylindrica* **var. n.** *minor*; *L. fusiformis* **var. n.** *minor*; *L. longistriata* **sp. n.** *elongata, papilea* **varr. n.**; *L. texta* **var. n.** *pyriformis* freshwater, China, CHU **138**.

Petalomonas; Survey of the genus, SHAWHAN & JAHN **735**; *P. quinquemarginata, septacarinata, asymmetrica, bicarinata* **spp. n.**; *P. mediocanellata* **var. n.** *minor*, ponds, Iowa, SHAWHAN & JAHN **735**.

(e) Phytomonadida

[No record.]

B. ZOOMASTIGINA

(f) Protomonadida

Bodomonas **gen. n.** *concava* **sp. n.** from g.lls of fishes, *Pomoxis* spp., U.S.A., DAVIS **235**.

Colponema agitans **sp. n.** ectoparasitic on fishes, *Pomoxis*, U.S.A., DAVIS **235**.

Lamellasoma **gen. n.** *bacillaria* **sp. n.** (Trypanosomidae) from gills of fishes *Pomoxis* spp., U.S.A., DAVIS **235**.

Monocercomonas verrens **sp. n.** from intestine of *Tapirus malayanus*, HONIGBERG **391**.

Trichomonadida **ord. nov.** (*vide infra*), removed from Protomonadida, KIRBY **446**.

Trypanoplasma gandei **sp. n.** from Congo fish *Labeo macrostoma*, Rodhain **679**.

Trypanosoma gandei **sp. n.**, *T. malopteruri* **sp. n.** from Congo fishes, RODHAIN **679**; *T. evansi* **var. n.** *rayi* from Indian buffalo MUDALIAR **562**.

(g) Trichomonadida

Trichomonadida **ord. nov.**, comprising Monocercomonadidae **fam. n.**; Devescovinidae Doflein, 1911; Calonymphidae Grassi, 1911; Trichomonadidae Wenyon, 1926, KIRBY **446**.

Devescovina gyrinoides **sp. n.** from Indian termites, *Cryptotermes*, FROILANO DE MELLO **311**.

Hexamastix indica **sp. n.** from Indian termites, *Cryptotermes*, FROILANO DE MELLO **311**; *H. agamae* **sp. n.** from alimentary canal of lizard *Agama tuberculata*, India, SAPRE **700**.

Hyperdevescovina **gen. n.** (type sp. *calotermitis*, **emend. n.** for *Caduceia calotermitis* Nurse, 1945) KIRBY **446**.

Stephanonympha reenstierni **sp. n.** from Indian termites, *Cryptotermes*, FROILANO DE MELLO **311**.

Tricercomitus damasmorai **sp. n.** from Indian termites, *Cryptotermes*, FROILANO DE MELLO **311**.

Trichomonas: systematic position of genus and parasite-host list, TRUSSELL **831**; *T. costulata* **sp. n.** from Indian termites, *Cryptotermes*, FROILANO DE MELLO **311**; *T. hystrixae* **sp. n.** from Himalayan porcupine [*Hystrix* sp.], RAY & SAPRE **652**.

(h) Hypermastigida

[No record.]

(i) Diplomonadida

[No record.]

(j) Polymonadida

Proboscidiella hoffmanni **sp. n.** from Indian termites, *Cryptotermes*, FROILANO DE MELLO **311**.

FLAGELLATA INCERTAE SEDIS

†*Cannosphaeropsis philippoti* **sp. n.** Cretaceous, France, DEFLANDRE **244**.

†*Carnegia aquila* **sp. n.** Pliocene, France, FIRTION **295** ; †*C. forcipifera* **sp. n.** Tertiary, France, FIRTION **296**.

†Chrysostomataceae of the Pliocene lignite of Lac Chambon, France, FIRTION **295**.

†*Chrysostomum ostracodiforme* **sp. n.** Tertiary, France, FIRTION **296**.

Hystrichosphaeridae, problem of the systematic position, DEFLANDRE **242**,

†*Hystrichosphaeridium ehrenbergi* **sp. n.** [**nom. n.** for *H.* cf. *hirsutum* (Ehrenberg) Deflandre, 1938] Jurassic, DEFLANDRE **242**.

†*Membranilarnax ovulum* **sp. n.** Jurassic, France, DEFLANDRE **243**.

†*Micrhystridium bigoti, fragile, exilissimum* **spp. n.** Jurassic, France, DEFLANDRE **243**.

3.—SPOROZOA

A. COCCIDIOMORPHA

(a) Gregarinida

Nematocystis tuzeti **sp. n.** from oligochaete *Octolasium complanatum*, France, LOUBATIERES **484**.

(b) Coccidiida

Dorisiella aethiopsaris **sp. n.** from *Aethiopsar fuscus*, India, CHAKRAVARTY & KAR **127**.

Eimeria cyanophlyctis **sp. n.** from Indian frog *Rana cyanophlyctis*, CHAKRAVARTY & KAR **126** ; *E. coturnicis* **sp. n.** from *Coturnix coturnix*, India. CHAKRAVARTY & KAR **127** ; *E. barbeta* **sp. n.** from Indian bird *Cyanops asiatica*, KAR **429** ; *E. lucknowensis* **sp. n.** from wagtail, *Motacilla alba*, India, MISRA **543**.

Isospora stomaticae **sp. n.** from Indian toad *Bufo stomaticus*, CHAKRAVARTY & KAR **126** ; *I. ginginiana* **var. n.** *tristis*, *I. zosteropis* **sp. n.**, *I. upupae* **sp. n.**, *I. sturniae* **sp. n.** *I. psittaculae* **sp. n.**, from Indian birds, CHAKRAVARTY & KAR **127**.

Ithania **gen. n.** *wenrichi* **sp. n.** from larvae of *Tipula abdominalis*, U.S.A., LUDWIG **491**.

Ithaniinae **subfam. n.** of fam. Adeleidae, LUDWIG **491**.

Wenyonella : list of spp. and their hosts, with differential characters ; *W. mackinnoni* **sp. n.** from wagtail, *Motacilla alba*, India, MISRA **543**.

(c) Haemosporidia

Babesia canis (Piana & Galli-Valerio, 1893) : synonyms *Piroplasma canis*, *P. rossi*, *Rosiella rossi*, *Babesia rossi* ; *B. gibsoni* (Patton, 1910) : synonyms *Piroplasma gibsoni*, *Theileria* sp., *Nuttallia bauryi*, NEITZ & STEYN **581**.

Haemoproteus buteonis **sp. n.** from buzzard, *Buteo buteo*, Sweden, WINGSTRAND **873**.

Luhsia taterae **sp. n.** from gerbil *Tatera indica*, Persia, ROUSSELLOT **689**.

Piroplasma avium **sp. n.** from partridge, Persia, ROUSSELOT **689** ; *P. annulatum* Dschunkowsky & Luhs, 1904 : status of the name, HEMMING **367** ; WITENBERG **878**.

Plasmodium vassali **var. n.** *ratufae* from Indian squirrel, *Sciurus indicus malabaricus*, MULLIGAN & SOMMERVILLE **567**.

B. CNIDOSPORIDIA

(d) Myxosporidia

Chloromyxum renalis, **sp. n.** from fish *Fundulus majalis*, U.S.A., also list of *Chloromyxum* spp. reported since 1933, MEGLITSCH **530** ; *C. externum* **sp. n.** parasitic on gills of fishes (*Margariscus margarita*, *Rhinichthys atronasus*), U.S.A., DAVIS **235** ; *Chloromyxum* spp. removed to *Kudoa* gen. n. (*q. v.*).

Kudoa **gen. n.** [**emend.** for *Chloromyxum clupeidae* Hahn, 1917 (type sp.) and including *C. quadratum*, *C. funduli*, *C. thyrsites*, *C. histolytica*, *C. rosenbuschi*] MEGLITSCH **531**.

Myxosoma endovasa **sp. n.** in gills of fish *Ictiobus bubalus*, U.S.A., DAVIS **235**.

(e) Microsporidia

Caudospora **gen. n.** *simulii* **sp. n.** from larvae of *Simulium*, Czechoslovakia, WEISER **855**.

(f) Actinomyxidia

[No record.]

(g) Sarcosporidia

[No record.]

(h) Haplosporidia

Dermocystidium salmonis **sp. n.** in gills of salmon *Oncorhynchus tschawytscha*, U.S.A., DAVIS **235**.

Sporozoon tincae placed provisionally in Haplosporidia, JIROVEC etc. **421**.

4.—CILIOPHORA

A. OPALINATA

Cepedea parva **sp.n.** from Chinese frog *Rana guentheri*, LU **489**.

Opalina guentheri **sp. n.**, *O. nucleolata czechwanensis* **subsp. n.**, from Chinese frog *Rana guentheri*, LU **489**.

B. CILIATA

(a) Holotrichida

Amphileptus voracus **sp.n.** on gills of fishes, U.S.A., DAVIS **235**.

Ancistrina limnica **sp. n.** from pallial cavity of molluscs in Poland, RAABE **643**.

Chaenea mucicola **sp. n.** freshwater, China, WANG & NIE **850**.

Conchoscutum **gen. n.** *inversum* **sp. n.** from gills of Lamellibranchiata, Poland RAABE **642**.

Deltopylum **gen. n.** *rhabdoides* **sp. n.** from the river Juine, France, FAURÉ-FREMIET & MUGARD **287**.

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M. BURTON, D.Sc.

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4. COELENTERATA

ARRANGED BY

H. DIGHTON THOMAS, M.A., Ph.D.

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†*Acropora* p. 58, *corymbosa* p. 59 fig., *pharaonis* p. 60 fig., forma *marenzelleri* **form. n.** p. 61 fig. Pleistocene East Africa, *hemprichi* p. 62 fig., *eminens* p. 63 fig., *massawensis* p. 64 fig., *variabilis* var. *microcalix* **var. n.** p. 64 fig. Pleistocene East Africa, *haimei* p. 65 fig., MONTANARO-GALLITELLI Miss. Geol. Dancalia Merid. Hararino Roma **4** 1943.

Actinauge longicornis p. 36 fig., *richardi* p. 37 fig., *verrilli* p. 38, CARLGREN **39.**—*A. richardi* p. 129, CARLGREN **40.**—*A. abyssorum* **sp. n.** p. 16 fig. deep water North Atlantic, CARLGREN Rep. Scient. Res. "Michael Sars" N. Atlantic Deep-sea Exped. 1910 **5** 6 1946.

Actinia equina p. 25 fig., BRIEN **34.**—*A. equina* p. 116 fig., CARLGREN **40.**—*A. equina* p. 34 fig., WILSON **255.**

Actiniaria larvae p. 17 fig., CARLGREN **41.**

Actinoscyphia discussed p. 7, *saginata* p. 8 fig., CARLGREN **41.**

Actinostola callosa p. 124, CARLGREN **40.**

Actinothoë—see *Sagartiogeton.*

Adamsia palliata p. 43, CARLGREN **39.**—*A. palliata* p. 130, CARLGREN **40.**

? Aiptasiid p. 4, CARLGREN **38.**

Allantactis parasitica p. 34 fig., CARLGREN **39.**

†*Alveopora polyacantha* p. 540 fig., sp. p. 541, UMBGROVE **234.**

Amphelia (*Amphihelia*) *oculata* p. 152 fig., CARLGREN **40.**

Amphianthus margaritaceus p. 51 fig., *norvegicus* **sp. n.** p. 53 fig. Norway, *mopseae* p. 55 fig., *islandicus* **sp. n.** p. 56 fig. Iceland, *ingolfi* **sp. n.** p. 57 fig. deep water south-west of Iceland, *verruculatus* **sp. n.** p. 57 fig. West Greenland, CARLGREN Danish Ingolf-Exped. Copenhagen **5** 12 1942.—*A. norvegicus* p. 130 fig., CARLGREN **40.**—*A. michaelsarsi* **sp. n.** p. 12 fig. deep water North Atlantic, CARLGREN Rep. Scient. Res. "Michael Sars" N. Atlantic Deep-sea Exped. 1910 **5** 6 1946.

†*Amplexoides* **gen. n.** (fam. Zaphrentoididae) p. 174, genotype (by author's designation) *Amplexus appendiculatus* p. 174 fig. Silurian China, WANG Bull. Geol. Soc. China **27** 1947.

†*Amplexus* sp. p. 161 fig., HERITSCH **98.**—*A. westii* a *Lophamplexus* p. 68, JEFFORDS **102.**—*A. appendiculatus* the genotype of *Amplexoides* (*q.v.*) p. 174 fig., WANG **248.**

†*Anabacia porpites* p. 60, GARDET **85.**

Andwakia parva p. 62 fig., CARLGREN **39.**—*A. parva* p. 114 fig., *mirabilis* p. 115, CARLGREN **40.**

Anemonactis mazelii p. 111 fig., CARLGREN **40.**

Anemonia sulcata p. 67, CARLGREN **39.**—*A. sulcata* p. 118, CARLGREN **40.**—*A. sulcata* p. 33 fig., WILSON **255.**

†*Antillia constricta* p. 34 fig., MONTANARO-GALLITELLI **136.**—*A.* **sp. n.** [sic] p. 338 Eocene France, MORELLET & MORELLET Bull. Soc. géol. Fr. 5 **15** 7–8 1945 (1946).

†*Antilloseris ? vaughani* pl. 12 fig., STEWART **212.**

Arachnactis albida p. 70 fig., CARLGREN **40.**

Astrangia p. 25, keys to spp. p. 25, *A.* (*Astrangia*) *browni* p. 26, *caboensis* **sp. n.** p. 26 fig. Lower California, *concepcionensis* **sp. n.** p. 26 fig. Gulf of California, *costata* p. 27 fig., *dentata* p. 28 fig., *lajollaensis* **sp. n.** p. 28 fig. California, etc., *oaxacensis* p. 29, *pedersenii* p. 28 fig., *tangolaensis* **sp. n.** p. 30 fig. Western Mexico, *A.* (*Coenangia*) *conferta* p. 30 fig., DURHAM Mem. Geol. Soc. Amer. Washington D.C. **20** 1947.—*A. pedersenii* p. 333, STEINBECK & RICKETTS **210.**

†*Astrangia* p. 25, keys to spp. p. 25, *concepcionensis* **sp. n.** p. 26, Pleistocene Lower California, *coronadosensis* **sp. n.** p. 27 fig. Pleistocene Lower California, *santelmoensis* **sp. n.** p. 30 fig. Pleistocene Lower California, DURHAM Mem. Geol. Soc. Amer. Washington D.C. **20** 1947.—*A.* (*Coenangia*) *lamarensis* **sp. n.** p. 3 (165) fig. Cretaceous Texas, WELLS Bull. Amer. Paleont. Ithaca **31** 123 1947.

†*Astreopora myriophthalma* p. 539, UMBGROVE **234.**

†*Astrocoenia konincki* pp. 51, 127 fig., STCHEPINSKY **208.**

Astropsammia pedersenii a synonym of *Tubastraea tenuilamellosa* p. 38, DURHAM **70.**

Balanophyllia p. 40, *cedrosensis* **sp. n.** p. 40 fig. Lower California, *elegans* p. 41 fig., *tiburonensis* **sp. n.** p. 41 fig. Lower California, DURHAM Mem. Geol. Soc. Amer. Washington D.C. **20** 1947.

Bathyactis symmetrica p. 9, THOMSON **227.**

Bathyphellia margaritacea p. 3 fig., CARLGREN **39.**

Bolocera tuediae p. 118 fig., CARLGREN **40.**

Botrucnidifer norvegicus p. 72, CARLGREN **40.**

†*Calamophyllia* sp. p. 57, GARDET & GÉRARD **86.**—*C.* sp. p. 7 fig., STCHEPINSKY **206.**

†*Calceola sandalina* p. 183 fig., DAHMER **59.**—*C. sandalina* p. 57, LE MAITRE **121.**—*C. sandalina* pp. 28, 102 fig., STCHEPINSKY **208.**

†*Caninia* p. 58 fig., HERITSCH **97.**

Caryophyllia smithii p. 149, CARLGREN **40.**—*C.* p. 33, *alaskensis* p. 33 fig., *pedroensis* p. 33, *arnoldi* p. 33 fig., DURHAM **70.**—*C. communis*, *clavus* p. 8, THOMSON **227.**—*C. smithi* p. 39 fig., WILSON **255.**

†*Caryophyllia* p. 33, *arnoldi* p. 33, DURHAM **70.**—*C. dentonensis* **sp. n.** p. 4 (166) fig. Cretaceous Texas, WELLS Bull. Amer. Paleont. Ithaca **31** 123 1947.

Cerianthus lloydii p. 67 fig., CARLGREN **40.**

†*Cetophyllum* sp. p. 181 fig., cf. *lindstroemi* p. 182 fig., cf. *crassiseptatum* p. 182 fig., WANG **248.**

Chondrophellia coronata p. 32 fig., CARLGREN **39.**

†*Cladophyllia* sp. p. 10, GARDET & GÉRARD **86.**

†*Claviphyllum* discussed p. 16, *eruca* p. 16 fig., JEFFORDS **102.**

†*Coeloria* cf. *daedalea* p. 528 fig., UMBGROVE **234.**

Coenangia—see *Astrangia.*

†*Coenangia*—see †*Astrangia.*

Coenocyathus p. 34, *bowersi* p. 34, DURHAM **70.**—*C. bartschi* **sp. n.** p. 8 (170) fig. Florida, WELLS Bull. Amer. Paleont. Ithaca **31** 123 1947.

†*Comoseris*—see †*Pachyseris.*

Coralliomorphus ingens p. 4 fig., *atlanticus* **sp. n.** p. 7 fig. deep water North Atlantic, CARLGREN Rep. Scient. Res. " Michael Sars " N. Atlantic Deep-sea Exped. 1910 **5** 6 1946.

Corynactis viridis p. 40 fig., WILSON **255.**

†*Coscinaraea columna* p. 539 fig., UMBGROVE **234.**

†*Cyathaxonia cornu* p. 180 fig., BOLKHOVITINOVA & ZOLKINA **24.**

Cyathoceras p. 32, *quaylei* **sp. n.** p. 32 fig. California, DURHAM Mem. Geol. Soc. Amer. Washington D.C. **20** 1947.

†*Cyathophyllum bolivianum* p. 137 fig., AHLFELD **4.**—*C. yagovkini* p. 180 fig., BOLKHOVITINOVA & ZOLKINA **24.**—*C.* (*Ptenophyllum*) *torquatum* p. 14 fig., KETTNER & PRANTL **108.**—*C. quadrigeminum* pp. 27, 101 fig., *caespitosum* pp. 28, 101, 103 fig., STCHEPINSKY **208.**

†*Cyathoseris crassilamellata* var. *marisrubri* **var. n.** p. 51 fig. Pleistocene East Africa, MONTANARO-GALLITELLI Miss. Geol. Dancalia Merid. Hararino Roma **4** 1943.—*C. lophiophora* p. 537 fig., cf. *crassilamellata* p. 537 fig., UMBGROVE **234.**

†*Cyclolites elliptica* pp. 16, 49 fig., STCHEPINSKY **207.**—*C. elliptica* pp. 48, 123 fig., *krumbecki* pp. 52, 127 fig., STCHEPINSKY **208.**

Cycloseris p. 24, *elegans* p. 24 fig., *mexicana* **sp. n.** p. 24 fig. Gulf of *California*, DURHAM Mem. Geol. Soc. Amer. Washington D.C. **20** 1947.

†*Cycloseris perezi* pp. 305, 371 fig., JASKÓ **101.**

Cyphastraea ocellina p. 283 fig., EDMONDSON **71.**

†*Cyphastraea* discussed p. 17, *longissima* p. 17 fig., *serailia* p. 21 fig., MONTANARO-GALLITELLI **136.**—*C.* (as *Cyphastrea*) *microphthalma* p. 524 fig., *chalcidicum* p. 524, UMBGROVE **234.**

†*Cystiphyllum vesiculosum* p. 54 fig., *C.* (*Lithophyllum*) *marginatum* p. 56 fig., *septatum* p. 56 fig., LE MAITRE **121.**—*C. omphymiforme* p. 180 fig., WANG **248.**

Daontesia **gen. n.** (fam. Bathyphelliidae) p. 5, genotype (by monotypy) *Sagartiogeton praelongus* p. 5 fig. Denmark Strait, etc., CARLGREN Danish Ingolf-Exped. Copenhagen **5** 12 1942.

†*Dendracis bifaria* p. 54, ZUFFARDI-COMERCI **261.**

Dendrophyllia p. 37, *californica* **sp. n.** p. 37 fig. California, *oldroydi* p. 38 fig., DURHAM Mem. Geol. Soc. Amer. Washington D.C. **20** 1947.—*D. manni* p. 283 fig., EDMONDSON **71.**

†*Dendrophyllia inequalis* ? p. 53, ZUFFARDI-COMERCI **261.**

Desmophyllum p. 36, *crista-galli* p. 36 fig., DURHAM **70.**

†*Dictyaraea anomala* p. 540, UMBGROVE **234.**

†*Dinophyllum yunnanense* **sp. n.** p. 175 fig. Silurian Yunnan, WANG Bull. Geol. Soc. China **27** 1947.

†*Diphyphyllum kirgisense* p. 180 fig., BOLKHOVITINOVA & ZOLKINA **24.**

†*Diploastraea heliopora* p. 532, UMBGROVE **234.**—*D. crossolamellata* [*sic*] cf. *tipica* p. 51, ZUFFARDI-COMERCI **261.**

†*Diplochone* p. 182, *concentricum* p. 182, var. *grande* **var. n.** p. 182 fig. Silurian Yunnan, WANG Bull. Geol. Soc. China **27** 1947.

†*Discotrochus californicus* pl. 12 fig., STEWART **212.**—*D. pseudoduncani* pp. 2, 6 fig., *minutus* pp. 4, 6 fig., **spp. n.** Miocene Moravia, VAŠIČEK Věst. české Společ. Nauk Praha **1944** 29 1946.

†*Disphyllum* p. 45, *D.* (*Phacellophyllum*) *trigemne* p. 45, LE MAITRE **121.**—*D. siluriense* **sp. n.** p. 178 fig. Silurian Yunnan, WANG Bull. Geol. Soc. China **27** 1947.

†*Döderleinia vetusta* a *Halomitra* p. 535, UMBGROVE **234.**

†*Echinophyllia aspera* p. 49 fig., MONTANARO-GALLITELLI **136.**

†*Echinopora lamellosa* p. 23 fig., *carduus* p. 23 fig., MONTANARO-GALLITELLI **136.**—*E. gemmacea* var. *parva* **var. n.** p. 531 fig. Pliocene Java, *porosa* p. 531 fig., UMBGROVE J. Paleont. Menasha Wis. **20** 6 1946.

Edwardsia norvegica **sp. n.** p. 60 fig. Norway, CARLGREN Danish Ingolf-Exped. Copenhagen **5** 12 1942.—*E. tuberculata* p. 99 fig., *longicornis* p. 99 fig., *danica* p. 101 fig., *andresi* p. 101 fig., *pallida* p. 102 fig., CARLGREN **40.**

Endopachys p. 39, *vaughani* **sp. n.** p. 39 fig. Gulf of California, DURHAM Mem. Geol. Soc. Amer. Washington D.C. **20** 1947.

†*Enterolasma*—see †*Streptelasma*.

†*Epismilia* cf. *multisepta* p. 32, GARDET & GÉRARD **86.**

Epizoanthus incrustatus p. 76 fig., *norvegicus* p. 78 fig., CARLGREN **40.**—*E. paguriphilus* p. 3, CARLGREN **41.**

†*Eridophyllum* discussed p. 36, *seriale* p. 36 fig., LE MAITRE **121.**

Fagesia carnea p. 103, *loveni* p. 103 fig., CARLGREN **40.**

†*Fasciculophyllum* discussed p. 18, *dybowski* p. 16 fig., JEFFORDS **102.**

†*Favia stelligera* p. 24 fig., *pallida* forma *denticulata* p. 25 fig., *savignyi* p. 25 fig., *speciosa* p. 26 fig., MONTANARO-GALLITELLI **136.**—*F. speciosa* p. 526 fig., sp. p. 526 fig., UMBGROVE **234.**

†*Favites virens* p. 26 fig., MONTANARO-GALLITELLI **136.**—*F.* cf. *abdita* p. 526 fig., *pentagona* var. *tenuis* **var. n.** p. 526 fig. Pliocene Java, UMBGROVE J. Paleont. Menasha Wis. **20** 6 1946.

Flabellum macandrewi p. 150, CARLGREN **40.**—*F.* p. 37, *F.* (?) *montereyense* **sp. n.** p. 37 fig. California, DURHAM Mem. Geol. Soc. Amer. Washington D.C. **20** 1947.—*F. alabastrum* p. 8, THOMSON **227.**

†*Fungia vaughani* p. 18 fig., sp. p. 19 fig., ABRARD **2**.—*F. patella* p. 36 fig., *cyclolites* p. 37 fig., *costulata* p. 38 fig., *laevis* p. 38 fig., *uniformis* **sp. n.** p. 39 fig. Pleistocene East Africa, *proechinata* p. 39 fig., *plana* p. 40 fig., *concinna* p. 41 fig., *repanda* p. 42 fig., *erythraea* **sp. n.** p. 43 fig. Pleistocene East Africa, *zuffardiae* p. 43, *klunzingeri* p. 44 fig., *subrepanda* p. 45 fig., *fungites* juv. p. 45, var. *discus* p. 46 fig., var. *haimei* p. 46, var. *agariciformis* p. 47, var. *dentata* p. 47 fig., var. *dentatopapillosa* p. 48 fig., *valida* p. 48, MONTANARO-GALLITELLI Miss. Geol. Dancalia Merid. Hararino Roma **4** 1943.—*F.* cf. *scabra*, cf. *actiniformis* p. 532, *cyclolites* p. 533, *distorta* p. 533 fig., *granulicostata* **sp. n.** p. 533 fig., *echinata* p. 533, cf. *pseudoechinata* p. 534, *subpaumotensis* **sp. n.** p. 534 fig., *concinna* p. 534 fig., *inaequicostata* p. 534 fig., sp. 1 p. 535, *F.* [*Herpolitha* ?] *praecursor* **sp. n.** p. 535 fig., Pliocene Java, UMBGROVE J. Paleont. Menasha Wis. **20** 6 1946.

†*Galaxea fascicularis* p. 24, forma *costulata* **form. n.** p. 24 fig. Pleistocene East Africa, MONTANARO-GALLITELLI Miss. Geol. Dancalia Merid. Hararino Roma **4** 1943.—*G. fascicularis* p. 525 fig., *clavus* p. 525, *elegantissima* **sp. n.** p. 525 fig. Pliocene Java, UMBGROVE J. Paleont. Menasha Wis. **20** 6 1946

Gonactinia prolifera p. 95 fig., CARLGREN **40**.

†*Goniastraea seychellensis* p. 27, *pectinata* p. 28, *solida* p. 28 fig., *favus* p. 29 fig., *retiformis* p. 29 fig., MONTANARO-GALLITELLI **136**.—*G. retiformis* p. 527, *simplicitexta* p. 527 fig., UMBGROVE **234**.—*G. propinqua* p. 47 fig., ZUFFARDI-COMERCI **261**.

†*Goniopora planulata* p. 66 fig., MONTANARO-GALLITELLI **136**.—*G. tenuidens* p. 540 fig., UMBGROVE **234**.

†*Gyalophyllum mai* **sp. n.** p. 184 fig. Silurian Yunnan, WANG Bull. Geol. Soc. China **27** 1947.

†*Haimesiastraea conferta* p. 42 fig., BARRY **12**.

Halcampa duodecimcirrata p. 112 fig., CARLGREN **40**.

Halcampoides purpurea p. 107, CARLGREN **40**.

†*Halomitra vetusta* p. 535 fig., UMBGROVE **234**.

Heliastraea reussana var. *stylaxis* p. 334 fig., VAŠIČEK **238**.—*H.* as *Heliastrae* [*sic*] *ellisiana* p. 380 fig., *defranceii* p. 380 fig., BAUZÁ **15**.

†*Heliastraea macrocanta* p. 6 fig., STCHEPINSKY **206**.—*H. defrancei* pp. 65, 141 fig., *reussiana* pp. 65, 141 fig., STCHEPINSKY **208**.

†*Heliophyllum* discussed p. 30, *halli* p. 31 fig., var. *nodulosa* **var. n.** p. 34 fig., *moghrabiense* **sp. n.** p. 35 fig., Devonian Morocco, LE MAITRE Notes Mém. Serv. Mines Carte Géol. Maroc **67** 1947.

†*Herpolitha*—see †*Fungia*.

†*Holmophyllum* p. 183, *tungchuanense* p. 183 fig., *primaevum* p. 184 fig., Silurian Yunnan, WANG Bull. Geol. Soc. China **27** 1947.

Hormathia digitata p. 44 fig., var. *vegae* **var. n.** p. 45 fig. Kara Sea and Siberia, *nodosa* p. 46 fig., CARLGREN Danish Ingolf-Exped. Copenhagen **5** 12 1942 [see also *Hormathiogeton*].—*H. digitata* p. 127 fig., CARLGREN **40**.

Hormathiidae larvae p. 18 fig., CARLGREN **41**.

Hormathiogeton **gen. n.** (fam. Hormathiidae) p. 46, genotype *Hormathia digitata* p. 44 fig. Kara Sea and Siberia, CARLGREN Danish Ingolf-Exped. Copenhagen **5** 12 1942.

†*Hydnophora microconus* p. 32 fig., MONTANARO-GALLITELLI **136**.—*H.* discussed, *grandis* p. 529, *tenella* p. 529 fig., *solidior* p. 530 fig., sp. p. 530 fig., UMBGROVE **234**.

†*Hydnophyllia* as *Hiduophyllia* [*sic*] *bellardii* p. 47, ZUFFARDI-COMERCI **261**.

†*Isastrea* sp. pp. 31, 57, cf. *bernardi* p. 57, GARDET & GÉRARD **86**.

Isozoanthus danicus p. 79 fig., CARLGREN **40**.

Kadosactis discussed, *rosea* p. 9, *abyssicola* p. 12 fig., *K.* (?) *spitzbergensis* p. 14 fig., CARLGREN **39**.—*K. abyssicola* p. 134 fig., CARLGREN **40**.—*K.* (*Kadosanthus*) *sulcata* **sp. n.** p. 11 fig. deep water North Atlantic, CARLGREN Rep. Scient. Res. "Michael Sars" N. Atlantic Deep-sea Exped. 1910 **5** 6 1946.

Kadosanthus—see *Kadosactis*.

†*Kinkaidia* discussed p. 16, *trigonalis* p. 18 fig., JEFFORDS **102**.

†*Latimaeandra* sp. p. 31, GARDET & GÉRARD **86**.

†*Leptastraea bottae* p. 21 fig., *immersa* p. 22 fig., MONTANARO-GALLITELLI **136**. —*L. purpurea* p. 525 fig., UMBGROVE **234**.

†*Leptoria gracilis* p. 30 fig., MONTANARO-GALLITELLI **136**.

†*Leptoseris floriformis* p. 50 fig., MONTANARO-GALLITELLI **136**. — *L. hawaiiensis* p. 537 fig., UMBGROVE **234**.

Limnactinia laevis p. 106 fig., CARLGREN **40**.

†*Lindstroemophyllum* **gen. n.** (fam. Dinophyllidae) p. 175, genotype (by author's designation) *involutum* **sp. n.** p. 176 fig. Silurian Yunnan, WANG Bull. Geol. Soc. China **27** 1947.

†*Lindströmia* cf. *cornu hirci* p. 14 fig., SAMPELAYO **194**.

†*Lithophylla grandissima* p. 524, UMBGROVE **234**.

†*Lithophyllum*—see *Cystiphyllum*.

†*Lithostrotion portlocki* p. 180 fig., BOLKHOVITINOVA & ZOLKINA **24**.

†*Lobophyllia cristata* p. 33 fig., forma *distans* p. 33 fig., *corymbosa* p. 34 fig., MONTANARO - GALLITELLI **136**.— *L. corymbosa* p. 530, *costata* p. 531, UMBGROVE **234**.

†*Lobopsammia* sp. cf. *miocenica* p. 54, ZUFFARDI-COMERCI **261**.

†*Lophamplexus* discussed pp. 16, 62, *eliasi* p. 16 fig., *brevifolius* **sp. n.** p. 66 fig., *westii* p. 68 fig., *ulius* **sp. n.** p. 72 fig., *phractus* **sp. n.** p. 74 fig., *vagus* **sp. n.** p. 76 fig., *spanius* **sp. n.** p. 78 fig., *L.* ? *lutarius* **sp. n.** p. 79 fig., Upper Carboniferous U.S.A., JEFFORDS Univ. Kansas Publ. Contr. **1** 1947.

Lophelia (*Lophohelia*) *pertusa* p. 151 fig., CARLGREN **40**.—*L.* p. 36, *californica* **sp. n.** p. 36 fig. California, DURHAM Mem. Geol. Soc. Amer. Washington D.C. **20** 1947.

†*Lophocarinophyllum* discussed p. 15, *acanthiseptum* p. 15 fig., JEFFORDS **102**.

†*Lophophyllidium* discussed pp. 15, 21, synonymous with *Sinophyllum* pp. 18, 21, *proliferum* p. 15 fig., *hadrum* **sp. n.** p. 23 fig., *wewokanum* **sp. n.** p. 24 fig., *coniforme* **sp. n.** p. 28 fig., *asarcum* **sp. n.** p. 30 fig., *lanosum* **sp. n.** p. 32 fig., *plummeri* **sp. n.** p. 33 fig., *spinosum* **sp. n.** p. 34 fig., Upper Carboniferous U.S.A., JEFFORDS Univ. Kansas Publ. Pal. Contr. **1** 1947.—*L.* discussed, *wichmanni* p. 337, var. *elongatum* **var. n.** p. 338 fig. Permian Timor, WANG Geol. Mag. London **84** 6 1947.

†*Lophoptichium* discussed p. 16, *vescum* p. 16 fig., JEFFORDS **102**.

†*Lytvelasma* discussed p. 342, *cainodon* p. 342 fig., WANG, **247**.

†*Madracis gregorioi* p. 41 fig., BARRY **12**.

†*Maeandra lamellina* p. 30 fig., forma *subdentata* p. 31 fig., forma *triangularis* p. 31 fig., *daedalaea* p. 31 fig., MONTANARO-GALLITELLI **136**.

†*Maeandrina* sp. pp. 16, 50 fig., STCHEPINSKY **207**.

†*Malonophyllum* discussed p. 16, JEFFORDS **102**.

†*Merulina ampliata* p. 530 fig., UMBGROVE **234**.

†*Metastraea aegyptorum* p. 527 fig., UMBGROVE **234**.

Metridium senile p. 59, CARLGREN **39**.—*M. senile* var. *dianthus* p. 143 fig., CARLGREN **40**.—*M. senile* p. 37 fig., WILSON **255**.

†*Microplasma gotlandicum* pp. 144, 153 fig., RÓZKOWSKA **188**.

Montipora p. 18, *fragosa* p. 18 fig., DURHAM **70**.

†*Montipora gortanii* **sp. n.** p. 56 fig. Pleistocene East Africa, sp. p. 58, MONTANARO-GALLITELLI Miss. Geol. Dancalia Merid. Hararino Roma **4** 1943.—*M. dubiosa* p. 540, UMBGROVE **234**.

†*Montlivaultia* cf. *labechei*, *numismalis* p. 24, *caryophyllata* p. 31, *sessilis* p. 31 fig., var. p. 31 fig., *trochoides* sp. p. 57, GARDET & GÉRARD **86**.

†*Mycedium tubifex* p. 531 fig., UMBGROVE **234**.

Nematosella pellucida **sp. n.** p. 58 fig. Massachusetts, CROWELL J. Wash. Acad. Sci. **36** 2 1946.

Octineon suecicum p. 65 fig., CARLGREN **39.**—*O. suecicum* p. 113, CARLGREN **40.**

†*Oculina* p. 32, sp. p. 32 fig., DURHAM **70.**

†"*Omphyma*" *duplex tabulata* a sp. of *Pycnactis* p. 177, WANG **248.**

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5. ECHINODERMA

ARRANGED BY

A. G. BRIGHTON, M.A.

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†MACHAERIDIA

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†CYSTIDEA

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Ptychocosmites lamarmorai **sp. n.** Ordovician Italy, VINASSA DE REGNY Mem. R. Accad. Ital. Roma **12** 1942 fig. G, pl. iv fig. 16.

†CARPOIDEA

[No record.]

†EDRIOASTEROIDEA

[No record.]

†BLASTOIDEA

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6. VERMES

ARRANGED BY

STEPHEN PRUDHOE

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SCOLECODONTA

[No records available.]

7. BRACHIOPODA

BY

J. K. S. St.-JOSEPH, M.A., Ph.D.

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72.—Wood, A. Proposed suspension of the Règles to identify *Anomia pecten* Linnaeus, 1758, with the species belonging to the Order Protremata (Class Brachiopoda) commonly known as *Strophomena pecten* (Linnaeus, 1758). Bull. Zool. Nomencl. London **1** 10 1947 p. 239.

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Full references are given only for new genera or species. In other entries the numeral in "Large bold Clarendon" refers to the list of titles where the full reference will be found. Where a reference is given in the Systematic Part, the volume number is printed in "Small bold Clarendon."

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†*Siphonotreta lagganensis* **sp. n.** Ordovician Scotland, BEGG Trans. geol. Soc. Glasgow **21** 1 1947 p. 44 pl. iii fig. 9.

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†*Acrothele* ? *pulchra*, POULSEN **49** p. 309.

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†*Lingulodiscina guineensis* **sp. n.** Devonian Gold Coast, COX Ann. Mag. nat. Hist. (11) **13** 1947 pp. 619–621 pl. xiii figs. 6–8.—*L. mamma* **sp. n.** Silurian Germany, pp. 85–88 figs. 1–6, DAHMER Senckenbergiana, Frankfurt **27** 2 1946.

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†*Philhedra* (*Philhedron*) *haemmerniensis* **sp. n.** Silurian Germany, SCHMIDT Abh. preuss. geol. LdAnst. **195** 1939 pp. 73–74 pl. iv fig. 2.

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†*Platystrophia mimela* **sp. n.** Silurian England, LAMONT & GILBERT Ann. Mag. nat. Hist. (11) **12** 1946 pp. 651–653 fig. 3 pl. iv figs. 4–5.

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†*Rhipidomella manticula* **sp. n.** Carboniferous U.S.A. (New Mexico), STAINBROOK J. Paleont. Menasha, Wis. **21** 1947 pp. 303–4 pl. xlv figs. 3–6.

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†*Pomatotrema semiconvexum*, POULSEN **49** p. 322.

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†*Barrandella* (*Clorinda*) *armata*, SCHMIDT **56** pp. 67, 87 pl. ii figs. 8–9, pl. iv fig. 15.

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†*Leptaena wisgoriensis* **sp. n.** Silurian England, LAMONT & GILBERT Ann. Mag. nat. Hist. (11) **12** 1946 pp. 660–664 figs. 6A–B pl. iii figs. 10–14.—*L. analoga*, STAINBROOK **60** p. 304 pl. xlv fig. 11.

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†*Leptostrophia magnifica* p. 438 pl. lxi fig. 5, *reeftonensis* p. 439 pl. lxi fig. 2, ALLAN **4**.

†*Maoristrophia* **gen. n.** p. 440 for type *M. neozelanica* **sp. n.** p. 440 pl. lxi figs. 1, 4, 8 Devonian New Zealand, ALLAN J. Paleont. Menasha, Wis. **21** 1947.

†*Merciella* **subgen. n.** see *Leptella*.

†*Plectodonta thuringica* **sp. n.** Silurian Germany, SCHMIDT Abh. preuss. geol. LdAnst. **195** 1939 pp. 66–67 fig. 6 pl. iii figs. 1–2.—*P. millinensis* cf. var. *canastonensis*, LAMONT & GILBERT **37** p. 659 pl. iv figs. 13–19.—*P. comitans* p. 78, *minor* p. 81 fig. 6 pl. iv figs. 5–8, SCHMIDT **56**.

†*Schellwienella percha* **sp. n.** Carboniferous U.S.A. (New Mexico), STAINBROOK J. Paleont. Menasha, Wis. **21** 1947 pp. 304–306 pl. xlv figs. 9, 12–13.—*S. umbracula*, LE MAITRE **39** p. 98.—*S. pecten*, p. 64 pl. ii figs. 5–7, cf. *umbraculum* p. 77, SCHMIDT **56**.

†*Stropheodonta huttoni* **sp. n.** Devonian New Zealand, ALLAN J. Paleont. Menasha, Wis. **21** 1947 pp. 441–442 pl. lxi fig. 3.—*S. ornatella*, DAHMER **15** figs. 10–13.

†*Stropheodonta* (*Brachyprion*) *interstrialis* p. 75, *phillipsi* pp. 36, 75 pl. ii figs. 3–4, SCHMIDT **56**.

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†*Buxtonia singularis* **sp. n.** Carboniferous U.S.A. (New Mexico), STAINBROOK J. Paleont. Menasha, Wis. **21** 1947 p. 314 pl. xlvi figs. 1–2.

†*Derbya crassa*, DELÉPINE **19** p. 31 pl. vi figs. 1–2.—*D.* cf. *crassa*, sp., ROYO Y GOMEZ **54** p. 203.

†*Echinoconchus laminatus*, STAINBROOK **60** p. 314 pl. xlvi figs. 3–5.

†*Heteralosia nupera* **sp. n.** Carboniferous New Mexico, STAINBROOK J. Paleont. Menasha, Wis. **21** 1947 pp. 309–310 pl. xlvi figs. 16–17.

†*Krotovia praecursor* **sp. n.** p. 313 pl. xlvi figs. 11–15 Carboniferous U.S.A. (New Mexico), *spinigera* p. 313 pl. xlvi figs. 8–10, STAINBROOK J. Paleont. Menasha, Wis. **21** 1947.

†*Leioproductus* **gen. n.** p. 307 Carboniferous U.S.A. for type *Productella coloradoensis* var. *plicatus* Kindle 1909, p. 308 pl. xlvi figs. 21–23, *coloradoensis* p. 308 pl. xlvi figs. 18–20, STAINBROOK J. Paleont. Menasha, Wis. **21** 1947.

†*Marginifera pusilla*, DELÉPINE **19** p. 48 pl. iii figs. 8–11.

†*Planoproductus* **gen. n.** Carboniferous U.S.A. pp. 307, 310 for type *Productella hillsboroensis* Kindle 1909, p. 310 pl. xlvi figs. 27–29, STAINBROOK J. Paleont. Menasha, Wis. **21** 1947.

†*Proboscidella fasciculata* **sp. n.** Carboniferous Spain, DELÉPINE Bol. Inst. geol. Esp. **59** 1946 pp. 46–47 pl. iii figs. 1–2.

†*Productella antigua* **sp. n.** Devonian Germany, SCHMIDT Abh. preuss. geol. LdAnst. **195** 1939 p. 86 pl. iv figs. 13–14.

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†*Productus* (*Echinoconchus*) *punctatus*, DELÉPINE **19** p. 37 pl. iii figs. 5–7.

†*Productus* (*Linoproductus*) *cora*, DELÉPINE **19** p. 49.

†*Pustula praecedens* **sp. n.** Carboniferous U.S.A. (New Mexico), STAINBROOK J. Paleont. Menasha, Wis. **21** 1947 p. 312 pl. xlvi figs. 24–26.—*Productus* (*P.*) *aculeatus* var. *radialis* **var. n.** Carboniferous Spain, DELÉPINE Bol. Inst. geol. Esp. **59** 1946 pp. 38–40 pl. iii fig. 12.—*P. pustulosa*, ROYO Y GOMEZ **54** p. 204.

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†*Spirifer* (*Delthyris*) *angustiplicatus*, SCHMIDT **56** p. 69 pl. i fig. 1a, pl. iii figs. 3–8.

†*Spirifer* (*Hysterolites*) cf. *hystericus* SCHMIDT **56** p. 87 pl. iv figs. 16–17.

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8. BRYOZOA (POLYZOA)

ARRANGED BY

ANNA B. HASTINGS, M.A., Ph.D.

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Devonian.—Belgium, ASSELBERGHS **1**; Germany, DAHMER **9**; North Africa, BORGHI & CHIESA **3**; Ellesmere Land, TOLMACHOFF **36**; New York State, U.S.A., GOLDRING **14**; Colombia, ROYO Y GOMEZ **29**.

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9. MOLLUSCA

COMPILED BY

A. E. SALISBURY, A.M.I.E.E.

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III.—SYSTEMATIC INDEX

N.B.—FULL REFERENCES ARE GIVEN ONLY IN THE CASE OF A NEW GENUS, SPECIES OR VARIETY. IN OTHER CASES THE NUMBER IN "**Large Bold Clarendon**" REFERS TO THE LIST OF TITLES WHERE THE FULL REFERENCE WILL BE FOUND. WHERE THE REFERENCE IS GIVEN IN THE SYSTEMATIC PART, THE VOLUME NUMBER IS PRINTED IN **Smaller Clarendon**.

Note.—The arrangement here used follows in general that of Thiele's Handbuch. The most important differences are that Epitoniacea *and* Pyramidellacea *are placed immediately preceding* Muricacea *in order of grouping and the families* Triviidae *and* Eratoidae *are placed in* Lamellariacea.

Where more than one page is given in a reference, the one in roman type is where a new name is first mentioned and the one in *italic* is where the gen. sp. or var. is actually described.

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Cryptoplax caledonica **sp. nov.** New Caledonia, J. RISBEC J. Soc. Ocean. Paris **2** 2 1946 p. 144 text-figs 7–10 pl. ii f. 1; *C. larvaeformis* Burrow, *caledonica* Risbec, anatomical figs., J. RISBEC **817**.

Rhysoplax discolor Hall, *rhynchotus* Rochebrune, anatomical figs., J. RISBEC **817**.

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Gastropods producing pearls, p. 9, J. BOLMAN **136**.

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†*Anconochilus* **gen. nov.** p. 7 Siniuitidae Dall & Zittel, Eastman 1913 genotype *Anconochilus barnese* **sp. nov.** p. 8 pl. 1 f. 1 a–e. Pedernales dolomite member of the Wilberns formation, Cambrian 2½ m. S.E. of Willow City, Gillespie Co., Texas, J. B. KNIGHT Smithson Misc. Coll. 106 17 1947.

†*Bellerophon jonesianus hiulciformis* **sp. nov.** Permian Formosa, I. HAYASAKA Mem. Fac. Sci. Taihoku Imp. Univ. Formosa (3) **1** 2 1943 p. 27.

†*Callispira* **gen. nov.** Loxonematacea genotype *C. quinquecostata* **sp. nov.** Magdalena beds Pennsylvanian, Franklin Mountains opposite Anthony, New Mexico pp. 463, *464* pl. 65 f. 6 a–b; *C. novemcostata* Magdalena Group, Franklin Mountains, opposite Vinton, Texas p. 465 pl. 65 f. 7, L. A. NELSON J. Paleont. Menasha, Wis. **21** 5 1947.

Cloudia buttsi **sp. nov.** lower part of middle third of the Copper Ridge Dolomite Trempealeanean stage of the Upper Cambrian, but may be Upper Francosican, Alabama, J. B. KNIGHT Smithson Misc. Coll. 106 1947 p. 6.

†Cereospiridae **fam. nov.** Bellerophontacea genus *Coreospira* Saito 1936 t.o.d. *rugosa* Saito, J. B. KNIGHT Smithson Misc. Coll. **106** 17 1947 p. 3.

†*Cyrtolites devonicus* p. 3 pl. i f. 3, 4; *C. varians* p. 4 pl. i f. 5, 6; *C. simplex* p. 5 pl. ii f. 7, 8; **spp. nov.** Czechoslovakia, A. RÉHA Rozpr. České Akad. Praha (2) **46** 12 1937.

Diodora fragilis **nom. nov.** for *D. delicata* Farfante & Henriquez non *Fissurella delicata* E. A. Smith, I. P. FARFANTE & D. L. HENRIQUEZ Rev. Soc. Malac. C. de la Torre Habana **5** 2 1947 p. 52 f. 1–4; *D. gibberula* Lk. sex reversal, G. BACCI **61**.

†*Diodara daidala* Gully S. of road and E. of bridge over White's Creek, Melton Co., pp. 497, *623* pl. lxii f. 26; *D. pumpellyi* Gastropod Gulch 5½ m. S.E. of Bainbridge, Decatur Co. Ga. pp. 497, *623* pl. lxii f. 25, 27; **spp. nov.** Tertiary Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 142H.

Emarginula nordica **sp. nov.** S. of Block Island, B.I. in 70 fms. W. Atlantic I. P. FARFANTE Johnsonia **4** 24 1947 p. 109 pl. 48.

Fissuella err. pro *Fissurella*, R. J. LEBLANC Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 80.

Fissurellidae—Mantle Cavity, C. M. YONGE 1101.

Nesta atlantica **sp. nov.** off Palm Beach, Florida, I. P. FARFANTE Johnsonia **2** 24 1947 p. 97 pl. 43 f. 1–3.

†*Paragoniozona* **gen. nov.** Pleurotomariacea genotype *P. nodolirata* **sp. nov.** Magdalena Group early Pennsylvanian, Franklin Mts. opposite Vinton, Texas, and included in the genus *Pleurotomaria granulostriata* Meek & Worthen 1866 from the Lower Coal Measures, Maucopin Co. Illinois; *Pleurotomaria aspersa* Girty 1934 from the Brentwood Limestone member of the Boyd shale (early Pennsylvanian) Woolsey, Arkansas; *Pleurotomaria millegranosa* Girty 1934, Brentwood limestone, Cold Spring, Arkansas, L. A. NELSON J. Paleont. Menasha, Wis. **21** 5 1947 p. 461 pl. 65 f. 2 a–c.

†*Paragoniozona paucinodosa* p. 461 pl. 65 f. 3 a–c; *P. sarlei* p. 462 pl. 65 f. 5; *P. multilirata* p. 463 pl. 65 f. 4 a–e; **spp. nov.** Magdalena beds Pennsylvanian, Franklin Mountains, Texas, L. A. NELSON J. Paleont. Menasha, Wis. **21** 5 1947.

Paraviviana **gen. nov.** *Euomphalira* type *Solarium gradatum* Koken 1897, Trias, A. KUTASSY Foss. Catal. 81 1940 p. 273.

†*Pleurotomaria* (*Phychomphalina*) *batesi* **sp. nov.** Upper Palaeozoic Gold Coast, L. R. COX Ann. Mag. Nat. Hist. (11) 13 1946 p. 606 pl. xii f. 1–4; *P. yokoyamai* **sp. nov.** Permian, Formosa, I. HAYASAKA Mem. Fac. Sci. Taihoku Imp. Univ. Formosa (3) **1** 2 1943 p. 28 pl. ii f. 1 text-fig. 1; *P.* (s.l.) *increbescens* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., F. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947 p. 53 pl. 47 f. 9–11, 17, 18.

†*Pseudomalaxis patens* **sp. nov.** vicinity of Corsicana Texas, Nacatock Sand, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 258 pl. 47 f. 5–7.

Puncturella (*Cranopsis*) *antillana* p. 120 pl. 52 f. 6–8 = *P.* (*G.*) *asturiana* Dall (in part) off Punta Alegre, Camaguey, Cuba; *P.* (*C.*) *billsae* p. 123 pl. 54 f. 1–3 off Sand Key, Florida; *Puncturella* s.s. *borroi* p. 132 pl. 57 f. 5–7 off Baracoa Oriente, Cuba; **spp. nov.**, I. P. FARFANTE Johnsonia **2** 24 1947; *P. punctocostata* 11 (265) pl. 1 f. 7–9; *P. ralphi* 13 (267) pl. 1 f. 4–6; Pleistocene San Pedro, California, S. S. BERRY Bull. Amer. Paleont. Ithaca **31** 127 1947.

Rimula dorriae **sp. nov.** off Western Dry Rocks, Florida, 90 fms., I. P. FARFANTE Johnsonia **2** 24 1947 p. 115 pl. 51 f. 1–7; *R. woodringi* **sp. nov.** Chipola formation Fla. (Tertiary), J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142H** 1947 p. 624 pl. lxii f. 16, 17.

†*Rimula vaughani* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947 p. 54 pl. 52 f. 9, 12.

Scissurella lyra **sp. nov.** Pleistocene, California, S. S. BERRY Bull. Amer. Paleont. Ithaca **31** 127 1947 14 (268) pl. 1 f. 10–11.

Scissurona vincentiana **sp. nov.** Gulf St. Vincent, S. Australia, B. C. COTTON Trans. roy. Soc. S. Aust. **69** 1 1945 p. 150 pl. xii f. 5, 6.

†*Sinuella* **gen. nov.** p. 8 Sinuitidae genotype *Sinuella minuta* **sp. nov.** p. 9 pl. 2 f. 2 a–g, Upper Cambrian Central Mineral Region, Texas, J. B. KNIGHT Southern Misc. Coll. **106** 17 1947.

†*Fremanotus polygonus fragmens* **var. nov.** Czechoslovakia, A. RÉHA Rozpr. České. Akad. Praha (2) **46** 12 1937 p. 9 pl. ii f. 14.

†*Weeksia* **gen. nov.** Euomphalidae genotype *Pseudomalaxis amplificata* Wade (U.S. Geol. Surv. Pr. Ppr. 137

p. 175 pl. 59 f. 1–4 1926), L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 257.

†*Weeksia lubbocki* **sp. nov.** Vicinity of Corsicana Nacatock sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 258 pl. 47 f. 2–4.

Worthenia reisi **nom. nov.** = *W. häberlei* Reis (preoc. Bubnoff 1918), A. KATASSY Foss. Catal. **81** 1940 p. 265.

Zeidora bigelowi **sp. nov.** Bahia de Cochinos 175–225 fms., I. P. FARFANTE Johnsonia **2** 24 1947 p. 95 pl. 41 f. 1–3.

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Prosobranchiata, an analysis of the number of Fam. genera and species, F. A. SCHILDER **873**.

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†*Palaeacmaea rugosa* **sp. nov.** "Caradoc" of Ynys Gabel, Caernaervonshire, J. C. HARPER Ann. Mag. nat. Hist. (11) **14** 1947 p. 161 pl. vii f. 5.

Patella coerulea L. sex and sex reversal, G. BACCI **59**; *P. coerulea* L. sex reversal, G. BACCI **61**; *P.* biology, S. M. DAS & G. SESCHAPPA **254**; *P.* biology, R. G. EVANS **304**; *P. vulgata* L., *depressa* Penn., *athletica* Bean, biological studies, R. G. EVANS **304**; *P. intermedia, athletica, vulgata*, E. FISCHER-PIETTE **316**; *P.* observations on, E. FISCHER-PIETTE **317**.

Patellanax squamifera Rve. = *aculeata* Rve. non Gmel.; *P. peronii* Blv. = *ustulata* Rve. shells and radulae, figs., B. C. COTTON **229**.

TROCHACEA

†*Calliomphalus bellulus* p. 259 pl. 47 f. 8, 9; *C. microcancelli* p. 260 pl. 47 f. 10–12; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Calliostoma rhombotoide*, Gully S. of road and E. of bridge over White's Creek road from Eucheeanna to Knox Hill, Walton Co., pp. 497, *619* pl. lx. f. 21, 26, 27; *C. flumenradum* 5–6 m. W.N.W. of Mossyhead, Walton Co., pp. 497, **620** pl. lxii f. 14, 24; *C. rugabasis* 6 m. W.N.W. of Mossyhead pp. 497, **620** pl. lxii f. 28–30; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H**; *C.* (*Calotropis*) *k- susukii* p. 256 pl. xxvi f. 4 a–c; *C.* (*Calot.* ?) *akoya* p. 257; **spp. nov.** *C. Tristechotrochus aculeatum soyoae* p. 260 pl. xxvii f. 4 a–c; *C.* (*T.*) *a. uezii* p. 26 pl. xxvii f. 5 a–c; **subspp. nov.**; *C.* (*T.*) *kiiense* p. 269 pl. xxviii f. 7, 8 a–b; *C.* (*T.*) *iwamotoi* p. 271 pl. xxvi f. 5a–c, 6a–c; *C.* (*T.*) *simodense* p. 272 pl. xxviii f. 10, 11a–b; *C.* (*Fautor*) *kurodai* p. 275 pl. xxviii f. 13a–c; **spp.nov.** Japan, N. IKEBE Jap. J. Geol. Geogr. **18** 4 1945; *C.* (*Otukaia*) *otukai* **sp. nov.**, p. 278 pl. xxvii f, 12a–c, Japan N. IKEBE Jap. J. Geol. **18** 4 1942. *C. cragini* p. 60 pl. 49 f. 22, 23; *C.* (*Eutrochus*) *serratum* p. 60 pl. 49 f. 16–19; **spp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947.

Callopoma fluctuosum (Wood) pl. 6 f. 1 (col.), J. STEINBECK & E. F. RICKETTS **936**.

Carinator **subgen. nov.** of *Calliostoma* subgenotype *Calliostoma* **sp. nov.** p. 279 pl. xxviii f. 15a–c, N. IKEBE Jap. J. Geol. Geogr. **18** 4 1942.

"*Circulus*" *mitorraphes* Oak Grove, Yellow R., Okaloosa Co. pp. 497, *599* pl. lxi f. 1, 2, 27; *C. anthera* Shell Bluff, Shoal R., Walton Co. pp. 497, *599* pl. lxi f. 3, 6, 18, 22, 26, 28; **spp. nov.** Tertiary Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H**.

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†*Coronilla* Perner 1907 [= *Ruedemannia* Foerster 1914] an invalid homonym of *Coronella* Beneden 1871 p. 87, J. B. KNIGHT **521**.

Cyclostrema interruptum (C. B. Ad.) f. 4, 5 = *Vitrinella i.* C. B. Ad. — Notes on Adams' genus *Vitrinella*, H. A. Pilsbry **761**.

†*Didianema* ? *waltonia* **sp. nov.** (Tertiary) Dave Adams Mill Creek, Walton Co., Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 497, *613* pl. lx f. 7.

Eudaronia **gen. nov.** Liotiidae genotype *Cyclostrema* (*Daronia*) *jaffaensis* Verco 1909—South Australia, B. C. Cotton Trans. roy. Soc. S. Aust. **69** 1 1945 p. 158.

†*Garramites* **gen. nov.** Trochidae genotype *G. nitidus* **sp. nov.** 3 m. N.E. of Corsicana, Nacatoch sand, Navarro Group, Upper Cretaceous, Texas, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941 p. 262 pl. 47 f. 17–19.

†*Gelasinostoma* **gen. nov.** Turbinidae type *Collonia elegantula* Dall Caloosahatchae formation (Pliocene) of Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 497, *611, 612* pl. lxii f. 12.

Gibbula adhering reflex, W. E. Ankel **41**.

†*Glyptobasis* Kouinck 1881 [= *Cerithioides* Haughton 1859] a homonym of *Glyptobasis* McLachlan p. 132, J. B. Knight **521**.

Herpetopoma scabriusculus Ad. & Ang.; *H. fenestrata* Tate; *H. pumilio* Tate; *H. annectans* Tate; *H. aspersus* Phil. figs.; *H. aspersus* rad. fig., B. C. Cotton **228**.

Lissotestella **gen. nov.** Trochidae type *Lissotesta tenuilirata* Powell (*L. rissoaformis* & *L. tryphessensis* are congeneric with type of new genus), A. W. B. Powell Rec. Auck. Inst. Mus. **3** 2 1946 p. 140.

†*Margarites bartonensis* **sp. nov.** p. 59 pl. 49 f. 24–26, 30–32; *M. b. vaughani* **var. nov.** p. 59 pl. 49 f. 33, 34 Comanche Lower Cretaceous, T. W. Stanton Prof. Pprs. U.S. Geol. Surv. **211** 1947.

†*Margaritella pumila* **sp. nov.** 2½ m. N. of Corbet, Texas, Neylandville marl, Navarro Group, Upper Cretaceous, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941 p. 272 pl. 49 f. 9, 10.

Maurea pellucida morioria **subsp. nov.** Owenga Beach, Chatham Islands, A. W. B. Powell Rec. Auck. Inst. Mus. **3** 2 1946 p. 140 pl. 11 f. 3.

Microlenchus parcipictus **sp. nov.** Sealer's Beach, between Otago's Retreat and Paysegur Point, South-West Otago, on under sides of stones at low tide p. 138 pl. 11 f. 1; *M. oliveri cryptus* **subsp. nov.** Kakanui & Kartiji, N. Otago, 4 m. S. of Clarence River, Marlborough (type) and Goose Bay, Kaikoura beneath kelp (*D'Urvillea*) holdfasts to which this subsp. is restricted, New Zealand, A. W. B. Powell Rec. Auck. Inst. Mus. **3** 2 1946.

†*Monodonta* (*Osilinus* ?) *minuta* p. 58 pl. 49 f. 27–29; *M. bartonensis* p. 58 pl. 49 f. 35: **spp. nov.** Comanche (Lower Cretaceous) U.S.A., T. W. Stanton Prof. Pprs. U.S. Geol. Surv. **211** 1947.

Otukaia **subgen. nov.** of *Callistoma* "subgenotype *Callistoma kiheiziebisu* Otuka" p. 277.

Pellax johnstoni **sp. nov.** Western Australia: Ellenbrook, B. C. Cotton Trans. roy. Soc. S. Aust. **69** 1 1945 p. 164 pl. xii f. 3, 4.

†*Phasianella estacadoensis* **sp. nov.** Kiamichi shale, Guthrie Lake, near Takota, Texas, M. A. Stainbrook Univ. Texas Bull. Austin **3945** 1939 p. 704 pl. 33 f. 7.

†*Pileolus* Spriesterbach 1919 [= *Floyda* Webster 1905] an invalid homonym of *Pileolus* Cockson MSS. Sowerby 1823, of *Pileolus* Lesson 1831, of *Pileolus* Ehrenberg 1843, p. 245, J. B. Knight **521**.

†*Portlockia* Koninck 1881 [= *Yunnania* Mausuy 1918] a homonym of *Portlockia* M'Coy 1846, p. 269, J. B. Knight **521**.

†*Puruninella* **gen. nov.** Angariidae (= Delpinulidae) genotype *Delphinula permodesta* Martin 1914 from the Upper Eocene, Nanggulau, Java, figs., C. Beets Geol. Mijnbouw La Hague **5** N.S. 11–12 1913 p. 92 text-figs.

Sequenzie [sic] Jeff. 1876 err. pro *Seguenzia*, B. C. Cotton **228**.

Solariella lewisae **sp. nov.** 15 fms. Spridon Bay, Kodiak Island, Alaska—type 1084 Los Angeles Museum, G. Willett Bull. S. Calif. Acad. Sci. **45** 1 1946 p. 32 pl. 7..

†*Solarium dapiazi* **sp. nov.** Maestrichtian Tripolitania, C. MAXIA Boll. Soc. geol. ital. **60** 2–3 1942 p. 182 pl. xvii f. 8–10.

Stomatella imbricata Lk. shell and radula figs., B. C. COTTON **228.**

Trinostoma megastoma (C. B. Ad.) f. 2; = *Vitrinella* m. C. B. Ad.—Notes on Adams' genus *Vitrinella*, H. R. PILSBRY **761.**

†*Teinostoma nanum eonanum* **subsp. nov.** ¾ m. W. of Shell Bluff, Shoal River, Walton Co. pp. 497, *614* pl. lxi f. 8–10; *T. phacoton* Alum Bluff (lower bed), Liberty Co. pp. 497, *614* pl. lxi f. 19–21; *T. mekon* gully S. of road and E. of bridge over White's Creek road from Eucheranna to Knox Hill, Walton Co. **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H**; *T. barryi* **sp. nov.** Sabinetown Bluff, Texas, Lower Eocene, R. J. LEBLANC Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 81 pl. 12 f. 3, 4; *T.* ? *austinense* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Ppers. U.S. Geol. Surv. **211** 1947 p. 61 pl. 56 f. 13, 14.

Tinostoma err. pro *Teinostoma*, L. & J. MORELLET **686.**

†*Tricolia affinis chipolana* **subsp. nov.** pp. 497, *609* pl. lx f. 6, 13; *T. probrevis* **sp. nov.** pp. 497, *609* pl. lx f. 8: Tertiary, Florida 1m. below Bailey's Ferry, Calhoun Co., J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H.**

Trochacea, Trochidae, Turbinidae, C. M. YONGE **1101.**

†*Turbina* Koninck 1887 (= *Araconema* Knight) a homonym of *Turbina* Brown in Hermanusen 1847, p. 368, J. B. KNIGHT **521.**

Turbo magaritaceus food values, S. T. CHARI & M. M. UNNY **184**; Gruners turban with operculum, fig. on cover of S. Australian Naturalist **24** 2 **228.**

†*Turbo* (*Senectus*) *perlatus* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 50 pl. iv f. 11; *T.* ? *belviderensis* p. 54 pl. 49 f. 1, 2; *T.* ? *cookensis* p. 55 pl. 49 f. 13; *T.* ? *gouldi* p. 55 pl. 49 f. 9; *T.* ? *benbrookensis* p. 55 pl. 49 f. 3, 4; *T.* ? *revueltensis* p. 56 pl. 49 f. 10; *T.* ? *weatherfordensis* p. 56 pl. 49 f. 11, 12; **spp. nov.** Comanche, Lower Cretaceous, U.S.A., T. W. STANTON Prof. Ppers, U.S. Geol. Surv. **211** 1947.

†*Urceolabrum callistum* **sp. nov.** Ripley formation (Upper Cretaceous), Pleasant Ridge Lake 4 m. S. of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 81 pl. 2 f. 13, 14.

†*Urceolabrum tuberculatum crassum* **var. nov.** Neylandville marl, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 261 pl. 47 f. 13, 14.

Zediloma (*Fractarmilla*) *corrosa zebrina* **subsp. nov.** Beach Harbour, Breaksea Sound, Western Otago, on rocks scattered on an intertidal mud flat, A. W. B. POWELL Rec. Auck. Inst. Mus. **3** 2 1946 p. 137 pl. 11 f. 4. 5.

NERITACEA

†*Catinella* Stacke 1877 [= *Naticopsis* M'Coy] an invalid homonym of *Catinella* Pease 1871 p. 69, J. B. KNIGHT **521.**

†*Nerita* ? *pecosensis* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Ppers. U.S. Geol. Surv. **211** 1947 p. 62 pl. 47 f. 16; *N. nodosa* p. 180 pl. 33 f. 1–3; *N. denticulata* p. 181 pl. 33 f. 4–6; **spp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Ppers. U.S. Geol. Surv. **210E** 1947.

Neritacea, C. M. YONGE **1101.**

†Neritidae of Vigny, Cretaceous, A. CHAVAN.

†*Neretina* ? *elpasensis* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Ppers. U.S. Geol. Surv. **211** 1947 p. 62 pl. 55 f. 4–9.

†*Proboscidia* Merla 1931, an invalid homonym of *Proboskidia* Bory 1827 (Art. 35a Rules Nom.) p. 270, J. B. KNIGHT **521.**

†*Smaragdia grammica* **sp. nov.** ½ m. below Shell Bluff, Shoal River, Walton Co. (Tertiary), Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 497, *607* pl. lxii f. 9.

†*Theodoxus* (*Caloatia*) *xanthozona* Bruss. *semiplicatus* Neam. figs., W. G. Radow **788**.

†*Tropidebora* **gen. nov.** Helicinidae type *Polamolithus tertiana* Conrad Neogene, Iquitos, H. A. Pilsbry Bol. Mus. Hist. nat. " J. Prado " **10** 36–37 1946 [1947] p. 55.

†*Velates floridanus* **sp. nov.** Eocene, Withlacoochee River, Citrus County, Florida, H. G. Richards Notulae Naturae, Philad. **177** 1946 p. 2 f. 1, 2, p. 3 and f. 1, 2 p. 4.

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Amphicyclotus anatomy, figs., H. Tielecke **1019**.

Alycaeus anatomy, figs., H. Tielecke **1019**.

Campeloma rufum, C. subsolidum ecology and distribution, Bass Island region, Lake Erie, C. A. Dennis **267**.

Cochlostoma (*Holeopoma*) *tesselatum densestriatum* variation, F. Kaufel & A. Fuchs **308**; *Cochlostoma* anatomy, figs., H. Tielecke **1019**.

Cochlostomatidae **fam. nov.**, H. Tielecke Arch. Naturgesch. Leipzig N.F. **9** 3 1940 p. 366.

Crossopoma anatomy, figs., H. Tielecke **1019**.

Cyclophoridae **fam. nov.** = subfam. Cyclophorinae of Thiele, H. Tielecke Arch. Naturgesche Leipzig N.F. **9** 3 1940 p. 365.

Cyclophorinaceae **stirps nov.** equivalent to fam. Cyclophoridae of Thiele, H. Tielecke Arch. Naturgesch. Leipzig N.F. **9** 3 1940 p. 365.

Cyclophorinae **subfam. nov.** of Cyclophoridae, H. Tielecke Arch. Naturgesch. Leipzig N.F. **9** 3 1940 p. 365.

Cyclophorus anatomy, figs., H. Tielecke **1019**.

Cyclotus umbraticus **sp. nov.** Maxwell's Hill, W. S. S. v. B. Jutting Bull. Raffles Mus. Singapore **19** 1949 p. 54 pl. 1; *Cyclotus* anatomy, figs., H. Tielecke **1019**.

Cyrtotoma anatomy, figs., H. Tielecke **1019**.

Diplommatina anatomy, figs., H. Tielecke **1019**.

Diplommatininae Thiele and Cochlostomatinae Thiele, H. Tielecke **1019**.

Duritropis fortilirata **sp. nov.** for *Amphalotropis navigatorum* Sykes Proc. Malac. Soc. iv. p. 145, T. Iredale Aust. Zool. Sydney **11** 1 1945 pp. 47, *48*.

Farcimen (*Farcimen*) *leoninum tabioi* Soroa en Pinar del Rio; **subsp. nov.** Cuba, O. A. Ledon Rev. Soc. Malac. Habana **5** 1 1947 p. 2; *Farcimen* review of the genus, O. A. Ledon 581. *Fermepalaina* **subgen. nov.** of *Palaina* subgenotype *Palaina nancena* **sp. nov.** Norfolk Island, T. Iredale Aust. Zool. Sydney **11** 1 1945 p. 50.

Gyrostropha paulucciae (Crosse & Nev.), fig., M. W. F. Tweedie **1026**.

Helix elegans introduced at Luc-sur-Mer, L. Tolmer **1011**.

Japonica anatomy, figs., H. Tielecke **1019**.

Leptopoma anatomy, figs., H. Tielecke **1019**.

Maizaniidae **fam. nov.** subgenus *Maizania* Thiele, H. Tielecke Arch. Naturgesche Leipzig N.F. **9** 3 1940.

Maizania (subgen.) anatomy figs., H. Tielecke **1019**.

Margarya melanioides Nevill, relation between stages of growth and reproduction, T. Si & C. Ching-Tai **905**.

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Opisthostoma retrovertens Tomlin, fig., M. W. F. Tweedie **1026**.

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Palaina nancena, P. pittensis **spp. nov.** Norfolk Island, T. Iredale Aust. Zool. Sydney **11** 1 1945 p. 50.

Palmetina coxi norfolkensis Preston, *P. belli* Preston " types " figd., T. Iredale **473**.

Palmatina quintali **sp. nov.** Norfolk Island, T. Iredale Aust. Zool. Sydney **11** 1 1945 p. 49.

Pila Lipochromes in ova, A. Comfort **213**; *Pila* (*Pila*) *wernei* Phil. fig., H. Wagner **1053**.

†*Pomacea manco* **sp. nov.** Rio Pachistea Tertiary, Peru, H. A. PILSBRY Bol. Mus. Hist. Nat. "J. Prado" **10** 36–37 [1947] p. 46 pl. ii f. 31, 32.

Pomatias elegans experiments relative to locomotion, H. W. LISSMANN **600**; *Pomatias elegans*, H. WAGNER **1057**.

Poteria anatomy, figs., H. TIELECKE **1019**.

Poteriidae **fam. nov.** equals subfam. Poteriinae Thiele H. TIELECKE Arch. Naturgesche Leipzig N. F. **9** 3 1940 p. 366.

Probythinella lacustris limafodens **nom. nov.** = *Paludina emarginata* Kuster, J. P. E. MORRISON Nautilus Philad. **61** 1 p. 27.

Pterocyclus anatomy figs., H. TIELECKE **1019**.

Pupina anatomy fig., H. TIELECKE **1019**.

Pupinellinae **subfam. nov.** equals Tribus Pupinelleae Thiele, H. TIELECKE Arch. Naturgesche Leipzig N.F. **9** 3 1940 p. 366.

Pupininae **subfam. nov.** Tribus Pupineae Thiele H. TIELECKE Arch. Naturgesche Leipzig N. F. **9** 3 1940 p. 366.

Pupinidae **fam. nov.** subfam. Pupininae Thiele, H. TIELECKE Arch. Naturgesche Leipzig N.F. **9** 3 1940 p. 366.

Schistoloma anatomy, figs., H. TIELECKE **1019**.

Sinica superba G. H. & Nev. *S. canaliculata* (Mlldff.) figs., M. W. F. TWEEDIE **1026**.

Spirostoma anatomy, figs., H. TIELECKE **1019**.

Spirostomatinae **subfam. nov.** = genus *Spirostoma* of Thiele, H. TIELECKE Arch. Naturgesche Leipzig N.F. **9** 3 1940 p. 365.

Tortulosa anatomy, figs., H. TIELECKE **1019**.

Viviparus as host of trematode parasites in Hong Kong, H. T. CHEN **189**; *V.* (*Bellamya*) *rubicundus* v. Mart., *B.* (*B.*) *unicolor* v. *conoideus* v. Mart. figs., E. DARTEVELLE & J. SCHWETZ **253**; *V. barronghianus* Lea —Notes on breeding, etc., J. P. E. MORRISON **697**; *V. sadleri pseudogracilis* **var. nov.**, L. STRAUSZ Magyar Ker. Föld. Evk. Budapest **36** 1 1942 pp. 39, 58 pl. 1 f. 33, 38 40; *V. kurdensis depressus* **var. nov.**, L. STRAUSZ Magyar Kir. Föld. Evk. Budapest **36** 1 1942 p. 41, 59 pl. iv f. 18, 19, 25, 26; *V. sadleri, cyrtomaphorus, depressus, kurdensis, lóczyi, pseudogracilis, gracilis*, outline figs., L. STRAUSZ **962**; *V. dissimilis* (Muller) abnormal, R. V. GESHAIYA **900**.

†*Viviparus isikariensis* p. 4 pl. i f. 1a–c; *V. mabutii* p. 6 pl. i f. 2–9; **spp. nov.** Oligocene Isikari Coalfield, Hokkaido, K. SUZUKI J. Fac. Sci. Univ. Tokyo Sect. III Geol. **6** 1–3 1941.

VALVATACEA

Valvata kugleri **sp. nov.** Venezuela, L. FORCART Verb. naturf. Ges. Basel **59** 1948 p. 50 pl. 1 f. 6 a–d; *V. piscinalis* from Esrom Lake, variation, figs., K. BERG **107**.

Valvatacea, C. M. YONGE **1101**.

Valvatia tricarnata ecology and distribution, Bass Island region, Lake Erie, C. A. DENNIS **267**.

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Annularella Henderson & Bartsch subgen. 1920 here raised to generic status p. 376 (Annulariidae), C. DE LA TORRE & P. BARTSCH **1017**.

Annularex Torre & Bartsch subgen. 1941 here raised to generic status p. 378 (Annulariidae) C. DE LA TORRE & P. BARTSCH **1017**.

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Blaesospira Crosss subgen. 1890 here raised to generic status p. 374 (Annulariidae), C. DE LA TORRE & P. BARTSCH **1017**.

Eutudorops Henderson & Bartsch subgen. 1920 here raised to generic status p. 367 (Annulariidae), C. DE LA TORRE & P. BARTSCH **1017**.

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Littorina littorea on the New Jersey coast, R. C. ALEXANDER **27**; *Littorina* biology L. PATANE **734, 735**; *Littorina saxatilis* oviparity, G. SESHAPPA **901**.

†*Purpuroidea podonensis* **sp. nov.** Vetta M. Padora, M. MAZZOCCA Boll. Soc. Geol. ital. **61** 1–2 1942 p. 220 pl. iii f. 12, 13.

Ramsdenia Preston subgen. 1913 here raised to generic status p. 338 (Annulariidae), C. DE LA TORRE & P. BARTSCH **1017**.

†*Spironema perryi* **sp. nov.** road $\frac{1}{8}$ m. W. of Kaufman, Nacatoch sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 272 pl. 49 f. 11, 12.

†*Trachydomia conica* **sp. nov.** Permian Formosa, I. HAYASAKA Mem. Fac. Sci. Taihoku Imp. Univ. Formosa (3) **1** 2 1943 p. 43 pl. ii f. 4, 5.

Troschelvindex freirei **sp. nov.** Hoyo de la Mina, Las Manuelas Baire, prov. of Oriente Cuba p. 55 f. 2; *T. alayoi* Santiago de Cuba p. 56 f. 3, C. G. AGUAYO & M. L. JAUME Rev. Soc. Malac. Habana **5** 2 1947.

Tudorina Torre & Bartsch subgen. 1941 here raised to generic status p. 369 (Annulariidae), C. DE LA TORRE & P. BARTSCH **1017**.

Wrightudora Torre & Bartsch subgen. 1941 here raised to generic status p. 369 (Annulariidae), C. DE LA TORRE & P. BARTSCH **1017**.

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Alvania (*Willetia*) *microglypta* **sp. nov.** Point Pinos, Monterey Peninsula, California, washed from sand in a tide pool, F. HAAS Field Mus. Pub. Chicago **29** 1 1943 p. 2 f. 1 a–c.

Amnicola and *Euamnicola* [nomenclature], H. B. BAKER **66**; *Amnicola* history of 106 years of the genus, J. P. E. MORRISON **693**.

†*Amnicola margaritula* Fuchs **var. nov.**, L. STRAUSZ **954**.

Amphithalamus vallei **sp. nov.** N. coast of Cuba, C. G. AGUAYO & M. L. JAUME Rev. Soc. Malac. Habana **5** 2 1947 p. 54 f. 1.

Assiminia infima **sp. nov.** Bad Water, elev. 279·6 ft. Death Valley, Inyo Co., California, S. S. BERRY Leaflets in Malacology **1** 2 1947 p. 5 figs 1, 2; *A. grayana* Flem. with *Glyuria maxima* and other plant association, E. A. ELLIS **297**.

Australorbis glabratus and *Schistosoma mansonii*, J. F. MALDONADO & J. A. MATIENEO **638**.

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Bithynia tentaculata from Esrom Lake variation, figs., K. BERG **107**; *B.* (*Parabythynia*) *alberti* E. A. Smith, fig., E. DARTEVELLE & J. SCHWETZ **253**.

†*Cochliolepis arictina* **sp. nov.** Oak Grove, Yellow R., Okaloosa Co. (Tertiary), Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 497, 600 pl. lxi f. 23–25.

†*Episcynia mauryi* **sp. nov.** Oak Grove, Yellow R., Okaloosa Co. (Tertiary), Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 497, *601* pl. lxi f. 4, 5, 7.

Hydrobia brondeli Bgt. figs., ALCAY, MARILL & MUSSO **25**; *H. jenkinsi* Sm., J. P. E. MORRISON **693**; *H. jenkinsi* Smith in thermal pools at Matlock Bath, T. WARWICK **1074**.

Indopyrgus bonnei **sp. nov.** Lake Poso, Central Celebes, R. T. ABBOTT Occ. Pprs. Moll. Harvard **1** 1 1945 p. 2 text-figs.

Littoridina transitoria p. 72 f. 2; *L. magallanica* p. 74 f. 2; *L. loaensis* p. 75 f. 2; *L. opachensis* p. 76 f. 2; **spp. nov.** Chile; *L. chimbaensis conica* **n. form** p. 71 f. 1; Chile, N. W. A. BIESE Bol. Mus. nac. Chile **23** 1947; *L. limariensis* p. 176 f. 1; *L. coquimbensis* p. 177 f. 2; *L. chimbaensis* p. 177 f. 3; *L. bruninensis* p. 178 f. 4; *L. striata* p. 179 f. 5; *L. copiapoensis* p. 179 f. 6; *L. choapaensis* p. 180 f. 8–10; *L. pueloensis* p. 182 f. 14; *L. obtusa* p. 183 f. 15; *L. oblonga* p. 183 f. 16; *L. gracilis* p. 185 f. 18; *L. pachispira* p. 185 f. 19; *L. compacta* p. 186 f. 20; *L. santiagensis* p. 187 f. 21; **spp. nov.** *L. copiapoensis costata* p. 179 f. 7; *L. choapaensis albolabsis* p. 181 f. 11; *L. choapaensis minor* p. 182 f. 12, 13; *L. oblonga minor* p. 184 f. 17; **vars. nov.** Concha, Chile, W. A. BIESE Bol. Mus. nac. Hist. Nat. **32** 1944; *L. chimbaensis conica* "**n. form**" p. 71 f. 1; *L. transitoria* p. 72 f. 2; *L. magallanica* p. 74 f. 2; *L. loaensis* p. 75 f. 2; *L. opachensis* p. 76 f. 2; **spp. nov.** Concha, Chile, W. A. BIESE Bol. Mus. nac. Hist. Nat. **32** 1946–47.

Lyrodes coronatus ? *bermudezi* **subsp. nov.** Dominica, C. G. AGUAYO Rev. Soc. Malac. Habana **5** 3 1947 p. 81 f. 1–3.

Mistostigma **gen. nov.** (Rissoidae ?) genotype *M. punctulum* **sp. nov.** Upper Pleistoceme, "Hilltop Quarry," San Pedro, California, S. S. BERRY Bull. Amer. Paleont. Ithaca **31** 127 1947 10 (264) pl. 2 f. 5.

†*Nematurella minima* **sp. nov.** p. 59 text-figs.; *N. stenostoma* **sp. nov.** = *N. runtoniana stenostoma* Nordmann, Netherlands, I. P. TESCH Geol. Mijnbouw 1 N.S. 3 1939.

Oncomelania quadrasi Mlldff. egg and breeding, J. H. ABBOTT **9**; *Oncomelania* as host of *Schistosoma*, and control of disease, T. ABBOTT **12**.

Paladilhiopsis transylvanica **sp. nov.**, M. ROTARIDES Fragmenta faun. Hungarica **6** 1943 p. 26.

Potamolithus australis **sp. nov.** Lago Llanquikue, Puerto Varas y Puerto Chico, Concha, Chile, W. A. BIESE Bol. Mus. nac. Hist. Nat. **32** 1944 p. 188 f. 22.

Potamopyrgus crystallinus carinatus in Estland [Finland], V. JAANUSSON **476**.

Pseudamnicola variation, F. KÄUFEL & A. FUCHS **503**.

Pyrgulopsis archimedis **sp. nov.** Upper Klamath Lake, near Algoma, Oregon, S. S. BERRY Nautilus Philad. **60** 3 1947 p. 76 pl. 7 f. 6.

Rissoa sabaudiae Coen **n. sp.** Lago de Sabaudia, G. BRUNELLI & G. CANNICCI Mem. Accad. Ital. Roma **14** 24 1944 p. 680 f. 8; *R. phagon* Oak Grove, Yellow R., Okaloosa Co. pp. 497, *696* pl. lvii f. 10; *R. litiopaopsis* 1 m. below Bailey's Ferry, Chimpola R., Celhouse Co. pp. 497, *607* pl. lvii f. 19, 24; **sp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **154H**.

†*Rissoa* ? *texana* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947 p. 71 pl. 55 f. 20, 21.

†*Rissoina* (*Mirarissoina*) *juncea* 1 m. below Bailey's Ferry, Chimpola R., Calhoun Co. pp. 497, *603* pl. lvii f. 34; *R. vittata* lower bed Alum Bluff, Calhoun Co. pp. 497, *605* pl. lvii f. 33; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H**.

Schistosomophora robertsoni (= *Kataygama* spec. ? Robertson, China Med. Journ. 1940 pp. 358–363 f. 1–2 E) Tati-Fu Erh Hai, Yunnan, China p. 4 pl. 1 f. 1, 7–10; *S. slateri* P'eng Hsien, Szechwan, China p. 5 pl. 1 f. 2–6; **spp. nov.** compared with *S. quadrasi* Mölldff. known from Mindanao, Leyte, Samoa and Mindoro, P. BARTSCH Smithson Misc. Coll. **104** 20 1946.

Schistosomophora quadrasi Mölldff. figs. pls. 2–6 Occ. Pprs. Moll. Harvard **1** 2, R. T. ABBOTT **11**; *S.* (*Oncomelania*) *quadrasi* and Schistosomiasis in Leyte, T. B. MAGATH & D. R. MATHIESON **622**.

†*Syncera microgaza* **sp. nov.** 1 m. below Bailey's Ferry, Calhoun Co. (Tertiary), Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 497, *602* pl. lvii f. 9.

Vitrinella helicoidea genotype fig. 1 t.s.d. K. J. Bush 1897. "Kobelts" selection of *valvatoides* C. B. Ad. is invalid as being a later sp. than when the genus was proposed; *V. tincta* C. B. Ad. f. 3, 6; *vide Teinostoma* et *Cyclostrema*, H. A. PILSBRY **761**.

†"*Vitrinella*" *seminola* Old Mill at Summerville 1 m. E. of Argyle, Walton Co. pp. 497, *597* pl. lx f. 18 20; *V. waltonia* Shell Bluff, Shoal R., Walton Co. pp. 497, *598* pl. lx f. 17, 23, 24; *V. excavata* 5 m. W. of Mossyhead, Walton Co. pp. 497, *598* pl. lx f. 14, 22, 25; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H.**

Zetikina **nom. nov.** for *Zetekella* Morrison proc., J. F. E. MORRISON Nautilus Philad. **60** 3 1947 p. 102.

CERITHIACEA

Alaba interruptalineata in mouth of a sparid fish collected at Guaymas, Sonora, Mexico, F. HAAS **393.**

†*Alaba dodona* **sp. nov.** Tertiary, Oak Grove, Yellow River, Okaloosa Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *580* pl. liv f. 14, 15.

Amphimelania fossaeiformis Toarn, W. G. RADOW **788.**

†*Architectonica voragiformis* **sp. nov.** 2½ m. N. of Corbet, Texas, Neylandville marl, Navarro Group, Upper Cretaceous L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 271 pl. 48 f. 12–14.

Bittium scabrum action of water weight, G. ZIRPOLO **1114.**

†*Cassiope burnsi* p. 78 pl. 57 f. 9, 10; *C. hyatti* p. 78 pl. 57 f. 12, 13, 19; *C. paluxiensis* p. 78 pl. 57 f. 17, 18; **spp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947.

Cerithium maculosum Kierner pl. 2 f. 2 (col.), J. STEINBECK & E. F. RICKETTS **936.**

†*Cerithium laeviculum* **sp. nov.** Kiamichi Shale, Texas, M. A. STAINBROOK Univ. Texas Bull. Austin **3948** 1939 p. 713 pl. 33 f. 23; *C.* ? *bartonense* p. 97 pl. 64 f. 1–4; *C. diversecingulatum* p. 98 pl. 64 f. 7, 8, 26; *C. kansasense* p. 99 pl. 64 f. 5, 6; *C. pecosense* p. 99 pl. 64 f. 18, 19; *C. kickapooense* p. 100 pl. 64 f. 9–11; *C. riograndense* p. 101 pl. 64 f. 15, 20; *C. coloradense* p. 101 pl. 64 f. 21, 23; *C. shattucki* p. 101 pl. 64 f. 13–14; **spp. nov.** *C. kickapooense valverdense* **var. nov.** p. 100 pl. 64 f. 24 Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947; "*Cerithium*" *imlayi* **sp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 183 pl. 33 f. 19–22; *C. simpsonense* **sp. nov.** road 2 m. S.W. of Kaufman, Nacatoch Sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 294 pl. 54 f. 9.

Cyclostrema veleronis **nom. nov.** for *C. bartschi* Strong & Hertlein 1939, A. M. STRONG & L. G. HERTLEIN Nautilus Philad. **61** 1 1947 p. 31.

†*Elassum* **gen. nov.** Cerithiidae type *Bittium* (*Elachista*) *californicum* Dall & Bartsch, Pleistocene, Palos Verde Hills, California, W. P. WOODRING Prof. Pprs. U.S. Geol. Surv. **207** 1946 pp. 61, *68* pl. 29 f. 21.

†*Eurytorus* **sec. nov.** of *Turritella*, type *Turritella mixta* Dall, Chipola formation (Lower Miocene) of Florida, with *T. jacula* **sp. nov.** and *T. chipolana* Dall, J. GARDNER Prof. Pprs. U.S. Geol, Surv. Washington 1947 **142H** pp. 497, *596* type figd. pl. lvii f. 7.

†*Glauconia corroyi* **sp. nov.** Campanian Basse Provence, C. DUBOUL Bull. Hist. nat. Marseille **7** 4 1947 p. 216 pl. iii f. 21.

Goniobasis livescens ecological conditions in Lake Erie, Bass Island region, C. H. DENNIS **267.**

†*Hemismus* (*Longiverena*) *avus* p. 47 pl. ii f. 27–29; *H. pictus* p. 48 pl. iii f. 30; **spp. nov.** rio Pachetea (Tertiary), Peru, H. A. PILSBRY Bol. Mus. Hist. nat. "J. Prado" **10** 36–37 1946 [1947.]

Melania tuberculata and *Schistosoma* figs., F. BOSCARDI **141.**

Melanopsis decolata Stot. fig., W. G. RADOW **788.**

†*Melanopsis confusa* **nom. nov.** = *M. costata* Fuchs non Olivier = *M. fuchsi* Brus. non Hudm. = *M. hungarica* Plry. non Kormos p. 91; *M. vitalisi* **sp. nov.** p. 92 pl. v f. 14, 20, 29, L. STRAUSZ Ann. hist.-nat. Mus. hung. Min. Geol. Pal. **35** 1942.

†*Modulus biconicus* **sp. nov.** Tertiary 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *581* pl. lv f. 26.

†*Nerinea aquilina* p. 80 pl. 58 f. 1, 5, 8, 9; *N. colligata* p. 81 pl. 59 f. 1, 2; *N.* (*Nerinella*?) *decipiens* p. 82 pl. 60 f. 1–3; *N. geminata* p. 82 pl. 61 f. 2, 4; *N. kentensis* p. 85 pl. 62 f. 18, 19; *N. kerrvillensis* p. 85 pl. 62 f. 7, 8; *N. occidentalis* p. 86 pl. 62 f. 11, 17; *N. pecosensis* p. 86 pl. 51 f. 11, 14–16; *N. pseudoconvexa* p. 87 pl. 60 f. 8, 10–12; *N. quadrilimata* p. 88 pl. 62 f. 1, 2; *N. riograndensis* p. 89 pl. 59 f. 7–10, 12–16; *N. sanmartinensis* p. 90 pl. 60 f. 9, 13, 14; *N. shumiensis* p. 91 pl. 61 f. 8, 9; *N.* (*Aptyxiella*) *supracostata* p. 92 pl. 57 f. 20, 21; **spp. nov.** *Nerinea geminata glabra* **var. nov.** p. 83 pl. 61 f. 3, 5: Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947.

†*Nudivagus* ? *cooperensis* **sp. nov.** $\frac{3}{4}$ m. N. of Cooper, Texas. Neylandville marl, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 294 pl. 54 f. 11, 12.

Pachycheilus larvissimus in the Rancho Grande forest, Venezuela, W. BEEBE & J. CRANE **99**.

†*Pseudonerinea multiformis* p. 94 pl. 63 f. 14–20; *P.* ? *arkansensis* p. 95 pl. 63 f. 9, 10; *P* ? *presidiensis* p. 95 pl. 63 f. 26, 27; *P. terebroides* p. 96 pl. 63 f. 24, 25; **spp. nov.** *P. terebroides glabra* p. 96 pl. 63 f. 31; **var. nov.** Comanche, Lower Cretaceous, U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947.

Philippia lepida **nom. nov.** for *Solarium sulcatum* Costa 1841, non Borson 1821, and Lam. 1822, = *S. pulchellum* Tiberi 1868 non Michelotti 1841, and Ort. 1847 = *S. mediterraneum* Monts. 1872 non Phil. 1853, C. BAYER Zool. Meded. Leiden **24** 1–2 1942 pp. 1–17; *Philippia* of the Rijksmuseum, C. BAYER **96**.

Planaxis sulcatus (Born.) embryology, figs., G. THORSON **1007**.

Pleurocera acuta ecology and distribution, Bass Island region, C. A. DENNIS **267**.

†*Potamides ciroi* **sp. nov.** Paleogene, Fezzan, L. NEGRIN Miss. Sci. R. Accad. Ital. a Cufra (1931—IX) Roma **3** 1934 p. 145 pl. xiv f. 4–7.

Salarium perspectivum heurni **var. nov.** Labockan Deli (E. Sumatra) C. BAYER Zoologische Meded., Leiden **22** 1940 p. 243, f. 4a–c.

†*Terebralia bidentata margaritifera* Succo; *T. lignitarum* Eichwald, figs. [Treboiice], V. ZÁZVORKA **1104**.

†*Triforis* (*Mastonia*) *auberti* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paleont. Paris **32** 1946 p. 57 pl. iv f. 21.

†*Triforis* ? *antiquus* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947 p. 102 pl. 55 f. 17, 18.

†*Turritella alcida* Dall *bicarinata* **subsp. nov.** Oak Grove, Yellow R., Okaloosa Co. pp. 497, *592* pl. lvii f. 3; *T. segmenta* Shell Bluff, Shoal R., Walton Co. pp. 497, *593* pl. lvii f. 13, 14; *T.* (*Torcula*) *dalli* lower bed, Alum Bluff, Liberty Co. pp. 497, *594* pl. lvii f. 4, 5; *T.* (*Torcula*) *waltonensis* Shell Bluff, Shoal R., Walton Co. pp. 497, *594* pl. lvii f. 16; *T.* (*Torcula* ?) *jacula* near bridge over White's Creek on road from Eucheeanna to Knox Hill 6.7 m. S. of Argyle 1.7 m. S.E. of Eucheeana, Walton Co. pp. 497, *596* pl. lvii f. 6; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H**; *T. howelli* **sp. nov.** Ripley formation (Upper Cretaceous), Pleasant Ridge Lake 4 m. south of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 82 pl. 3 f. 19, 20; *T. gardnerae* **sp. nov.** Lower Eocene along road leading west from Louisiana Highway No. 404, Natchitoches Parish, Upper Midway Group, R. J. LE BLANC Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 94 pl. 13 f. 1, 2; *T. trina* p. 40 pl. ii f. 25; *T. saraquilhana* [sic] p. 41 pl. ii f. 24 **spp. nov.** Rio Sarayaquillo (Upper Cretaceous), Peru, H. A. PILSBRY Bol. Mus. Hist. nat. "J. Prado" **10** 36–37 [1947]; *T. saposa austera* **subsp. nov.** Rio Pachitea (Upper Cretaceous), Peru, H. A. PILSBRY Bol. Mus. Hist. nat. "J. Prado" **10** 36–37 [1947] p. 34 pl. 1 f. 5–7; *T. roscheni* **sp. nov.** Mesozoica Peruvian Andes, E. F. RICHARDS John Hopkins Univ. Stud. Geol. Baltimore **15** 1947

pp. 36, *78* pl. v f. 2; *T. lynnensis* p. 711 pl. 33 f. 18; *T. macropleura* p. 712 pl. 33 f. 17, 20–21; **spp. nov.** Kiamichi shale, Guthrie Lake near Tahoka, Texas, M. A. Stainbrook Univ. Texas Bull. Austin **3945** 1939; *T. kerrvillensis* p. 73 pl. 56 f. 16; *T. debriensis* p. 74 pl. 56 f. 15; *T. pecosensis* p. 74 pl. 56 f. 1, 2; **spp. nov.** *T. seriatim-granulata gainesvillensis* **var. nov.** p. 76 pl. 56 f. 4–6: Comanche, Lower Cretaceous, U.S.A., T. W. Stanton Prof. Pprs. U.S. Geol. Surv. **211** 1947; *T. polysticha* Soloman's branch in creek 100 yards W. of road, 6 m. S.W. of Elgin, Bastrop Co., Texas, Segain formation p. 835 pl. 47 f. 11; *T. infans* Stone City bluff on right bank of Brazos River, Burleson Co., Texas, p. 838 pl. 47 f. 12–15; *T. chirena* East ditch of road from Chireno to State highway N. of town, Nacogdoches Co., Texas, p. 838 pl. 47 f. 3; *T. plummeri* Kincaid formation, Midrovy Group, right bank of Colorado River, 1¼ m. below the Bastrop-Travis County line, Bastrop Co., Texas, p. 839 pl. 47 f. 1 **spp. nov.** Eocene, Gulf coast of North America, H. B. Stenzel & T. E. Turner Univ. Texas Bull. Austin **3945** 1939; *T. femena oligoploka* Leon Co., Texas, p. 832 p. 46 f. 7–10; *T. nasuta brazita* Little Brazos River, Brazos Co., Texas, p. 835 pl. 46 f. 1, 2; *T. arenicola danvillensis* Ouachita River, Danville Landing, Caldwell and Catakoula Parishes, Louisiana p. 841 pl. 47 f. 4, 5; *T. alabamiensis bowlesi* Graveyard Hill, Willcox Co., Alabama, p. 842 pl. 17 f. 9, 10; *T. alabamiensis tetradeiras* Bell's Landing, left bank of the Alabama River west of Tinela, Monroe Co., Alabama, p. 843 pl. 47 f. 6–8; **subsp. nov.** Eocene, Gulf coast of N. America, H. B. Stenzel & F. E. Turner Univ. Texas Bull. Austin **3945** 1939; *T. bilira* Kemp Clay, ? Brazos R. 2 m. above Milam Co. line p. 288 pl. 52 f. 9–16; *T. austini* ⅗ to ⅘ m. N. E. of Chatfield p. 292 pl. 54 f. 4–6; *T. houstoni* p. 292 pl. 54 f. 1–3 N.E. of Chatfield; *T. deatsvillensis* near Deatsville p. 293 pl. 52 f. 6–8; **spp. nov.** *T. vertebroides tenuispira* p. 290 pl. 53 f. 4–9; *T. v. jonesi* p. 290 pl. 53 f. 11; *T. v. longi* p. 291 pl. 53 f. 12, 13; *T. v. leoni* p. 291 pl. 53 f. 10; **vars. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941; *T. toleri* p. 182 pl. 33 f. 13–15; *T. magnotiana* p. 182 pl. 33 f. 16–18; **spp. nov.** Upper Cretaceous, U.S.A., L. W. Stephenson Prof. Pprs. U.S. Geol. Surv. **210E** 1947.

Tympanotonus bakonicus **sp. nov.** = *Cerithium bakonicum*, E. V. Szöti Ann. Inst. nat. Mus. hung. Mem. Geol. Pal. **36** 1943.

†*Tympanotonus ajkaënsis* **sp. nov.** = *Cerithium ajkense* Mun-Chalmas nom. nud. Recherch. Compt. Rend. lxxxv p. 126, E. V. Szöts Ann. Inst. nat. Mus. hung. Mem. Geol. Pal. **36** 1943 p. 77 pl. vii f. 13, 14.

†*Woodsella perdita* **sp. nov.** Rio Sarayaquillo (Upper Cretaceous), Peru, H. A. Pilsbry Bol. Mus. Hist. nat. "J. Prado" **10** 36–37 [1947] p. 37 pl. ii f. 21.

AMALTHEACEA

Amalthea lissa E. A. Sm. embryology, figs., G. Thorson **1007.**

†*Cheilea dryas* **sp. nov.** (Dall MS., (Tertiary) Shell Bluff, Shoal River, Walton Co., Florida, J. Gardner Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *570* pl. lvii f. 20, 21.

†*Fossarus florius* **sp. nov.** Tertiary, Shell Bluff, Shoal River, Walton Co., Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *571* pl. lvii f. 30.

CALYPTRAEACEA

†*Anticalyptraea westergaardi* **sp. nov.** = *Calyptraea calyptrata* (Schrenk.) Eichwald 1859 (expl. pl. 51) not *Capulus calyptrata* Schrenk. Fr. Schmidt 1858 Silurian, I. of Oesel, Esthonia, J. B. Knight Spec. Pap. Geol. Soc. Amer. Washington D.C. **32** 1941 p. 39 pl. 95 f. 6a–c.

†*Calyptraea crenata* **sp. nov.** Tertiary, Oak Grove, Yellow River, Okaloosa Co., Florida, J. Gardner Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *562* pl. lvi f. 1, 2; *C. pellucida* Rve. embryology, figs., G. Thorson **1007.**

†*Capulus chipolanus* **sp. nov.** (Tertiary) 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., Florida, J. Gardner Prof. Ppr. U.S. Geol. Surv.

Washington 1947 **142H** pp. 496, *570* pl. lvii f. 22, 23; *C. cuthandensis* $4\frac{1}{4}$ m. E. by N. of Rosali p. 274 pl. 50 f. 24–26; *C. erectus* vicinity of Kaufman p. 274 pl. 49 f. 5–7; *C.* ? *microstriatus* $1\frac{3}{10}$ m. N. of McQueeney p. 275 pl. 50 f. 17–20: **spp. nov.** Novarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Crepidula williamsi **sp. nov.** near North Coronado Island, Lower Calif., W. R. COE J. Morph. Philad. **81** 1947 p. 246; *C. fornicata*, O. LINKE **596**; *C. adunca* Sow. anatomy, figs., C. E. MORITZ **687**; *C. fornicata* (L.) extension of range, G. M. SPOONER **925**; *C. walshi* Rve. embryology, figs., G. THORSON **1007**.

†*Crucibulum chipolanum* Dall *dodoneum* Oak Grove, Yellow R., Okaloosa Co., Florida pp. 496, *567* pl. lvi f. 18–20; *C. constrictum conjuge* Dave Adams, Mill Creek, Walton Co., pp. 496, *568* pl. lvi f. 14, 15; **subspp. nov.**; *C. waltonense* **sp. nov.** Shell Bluff, Shoal River, Walton Co., pp. 496, *568* pl. lvi f. 16, 17—Tertiary of Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H**.

STROMBACEA

†*Anchura noackensis* Kemp Clay, 3 m. S. by W. of Thrall p. 295 pl. 55 f. 6, 7; *A. lamari* vicinity of Kaufman p. 296 pl. 55 f. 1–3; *A. bexarensis* Kemp Clay, W. of Zuehl p. 297 pl. 55 f. 4, 5; *A. plenocosta* near Kaufman p. 299 pl. 56 f. 14; *A. elegans* vicinity of Corsicana p. 299 pl. 56 f. 11–13; *A. lynnensis* S.W. of Campbell p. 301 pl. 56 f. 16, 17; *A. cooki* 5 m. E. by N. of Greenville; *A. caddoensis* $1\frac{4}{5}$ m. N.E. of Quinlan p. 302 pl. 56 f. 3, 4; *A.* ? *cambelli* $2\frac{1}{2}$ m. N. of Corbet p. 303 pl. 56 f. 1, 2; *A. hoggi* W. of Zuehl; **spp. nov.**; *A. lobate media* near Kaufman p. 299 pl. 55 f. 8–10; **var. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941; *Anchura* (*Drepanocheilus*) *kiowana marquettensis* **var. nov.** p. 103 pl. 65 f. 5, 11; *A. quitmanensis* **sp. nov.** p. 104 pl. 65 f. 14, 15: Comanche (Lower Cretaceous). U.S.A., E. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947.

†*Aporrhais brittsi* p. 104 pl. 65 f. 22, 23; *A.* ? *elpasensis* p. 105 pl. 66 f. 10, 12; *A.* ? *kentensis* p. 105 pl. 65 f. 17–19; *A. nuecensis* p. 105 pl. 66 f. 7, 9; *A. singleyi* p. 106 pl. 66 f. 1–3, 11; *A. tarrantensis* p. 107 pl. 66 f. 4–6, 8; *A. travisensis* p. 108 pl. 65 f. 12, 13, 16 **spp. nov.** Comanche (Lower Cretaceous) U.S.A., E. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947.

†*Drapanochilus texanus* Kemp Clay 3 m. S.W. of Thrall p. 306 pl. 57 f. 1–4; *D.* ? *martini* Nacatoch Sand, vicinity of Chatfield p. 306 pl. 57 f. 5; *D.* ? *davisi* Nacatoch Sand, vicinity of Corsicana p. 307 pl. 57 f. 13, 14; *D.* ? *corbetensis* Neylandville marl $2\frac{1}{2}$ m. N. of Corbet p. 307 pl. 57 f. 6–8; *D. triliratus* Nacatoch Sand p. 308 pl. 57 f. 9, 10; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Pereiraia brevispira* **sp. nov.** Miocene Morocco, G. LECOINTRE Bull. Soc. geol. Fr. 5 **16** 1/3 1946 p. 118 pl. iii pl. iv f. 1, 2.

†"*Pregnellus*" *densatus* Conrad Hill. U.S. Geol. Surv. 21st Ann. Rept. 1901 pt. 7 pl. 48 (p. 842) f. 2 (fig. only) = *Pugnellus d. macatochansei* **var. nov.** [q.v.], L. W. STEPHENSON.

†*Pterocerella poinsettiformis* **sp. nov.** in the Ripley formation near Dumas, Tippah Co., Mississippi, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 309 pl. 58 f. 9–12.

†*Pugnellus densatus nacatochanus* **var. nov.** Nacatoch Sand, vicinity of Chatfield p. 310 pl. 58 f. 5–8; *P. robustus* **sp. nov.** Nacatoch Sand, vicinity of Kaufman, Texas, p. 312 pl. 58 f. 1–4: Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941; *P. calcarus* **sp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 183 pl. 33 f. 25–32.

†*Rimella henrywoodsi* **sp. nov.** Rio Sarayaquillo (Upper Cretaceous), Peru, H. A. PILSBRY Bol. Mus. Hist. nat. "J. Prado" **10** [36–37 1947] p. 38 pl. ii f. 20, 20a.

Strombidae—A review of the family as represented in the Philippines, G. L. ALCASID **24**.

Strombus gigas verrilli range of this subspecies, T. L. McGinty **609**; *S. gracilior* Sow. 1825 pl. 8 f. 1 (col.), J. Steinbeck & E. F. Ricketts **936**; *S. samba* Clench in Florida, A. H. Verrill **1042**; *S. samba* Clench in Lake Worth, A. H. Verrill **1043**.

†*Strombus* (*Gallinula*) *malekulensis* **sp. nov.** p. 59 pl. iv f. 24, 25; *S.* (*Gallinula*) *minimus* L. *minor* **var. nov.** p. 64 pl. iv f. 26; *S.* (*Canarium*) *praegibberulus* **sp. nov.** p. 63 pl. iv f. 30, 31; Pliocene, R. Nua, Malekula, New Hebrides, R. Abrard Ann. Paléont. Paris **32** 1946; *S. dainelli* **sp. nov.** Paleogene Fezzan, L. Negri Miss. Sci. R. Accad. Ital. a Cufra (1931—IX) Roma **3** 1934 p. 147 pl xiv f. 9a–c; *S. costatus aguayoi* **subsp. nov.** prov. Matanzas, Cuba, M. L. Jaume & A. d. Valle Rev. Soc. Malac. Habana **5** 1 1947 p. 9 text-figs. p. 10; *S. dodoneus* **sp. nov.** (Tertiary) Oak Grove, Okaloosa Co., Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *559* pl. lv f. 4, 7, 9.

†*Tundora* **gen. nov.** Strombidae, genotype *T. tuberculata* **sp. nov.** Orsicana road 2½ m. N. of Corbet, Texas, Neylandville marl, Navarro Group, Upper Cretaceous, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941 p. 313 pl. 59 f. 1–4.

NATICACEA

†*Ampullina* (*Ampullina*) *Hantkeni* **sp. nov.** = *Natica* (*Ampullina*) *studeri* Vecsey 1939 non Queenstedt nec Roemer, Bakonian, Hungary, E. V. Szörs Ann. hist. nat. Mus. hung. Min. Geol. Pal. **36** 1943 p. 71 pl. vii f. 20–21.

†*Banis* **gen. nov.** Naticidae genotype *B. siniformis* **sp. nov.** N. edge of Corsicana, Nacatoch Sand, Navarro Group of Upper Cretaceous, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941 p. 279 pl. 50 f. 14–16.

†*Euspira rotunda* **sp. nov.** 6 m. W.N.W. of Mossy head, Walton Co., Florida, J. Gardner Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *552* pl. lix f. 25–27.

†*Glyptanatica* **sec. nov.** of *Sigatica* type *S. euglypta* **sp. nov.** Boynton Landing, Choctawhatchee River, Washington Co., Florida (Tertiary), J. Gardner Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *555* pl. lx f. 1, 5.

†*Gyrodes pattoni* **sp. nov.** Kiamichi Shale, Guthrie Lake, near Tahoka, Texas, M. W. Stainbrook Univ. Texas Bull. Austin **3945** 1939 p. 709 pl. 33 f. 14.

†*Lunatia* ? *cragini* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., T.W. Stanton Prof. Pprs. U.S. Geol. Surv. **211** 1947 p. 65 pl. 52 f. 1–3.

Natica (*Neverita*) *ampla* Phil. = *didyma* Röd.; *Natica rufa*, *N. trailli* Rve. larval development, G. Thorson **1007**.

†*Natica* (*Neverita*) *josephinia* Risso in Sicily, E. Marchesini **638**; *N.* (*Ampullaria*) *nakionei* **sp. nov.** Paleogene Fezzan, L. Negri Miss. Sci. R. Accad. Ital. a Cufra (1931—IX) Roma **3** 1934 p. 139 pl. xiv f. 1a–b; *N. quasi* **sp. nov.** Maestrichtian Tripolitania C. Maxia Boll. Soc. geol. ital. **60** 2–3 1942 p. 183 pl. xvii f. 11–14; *N.* (*Naticarius*) *precursor* **sp. nov.** 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., pp. 496, *515* pl. lix f. 1, 2, 6; *N.* (*Stigmaulax*) *guppiana* Toula *toulana* **subsp. nov.** Shell Bluff, Shoal R., Walton Co., pp. 496, *517* pl. lix f. 7, 8; *N.* (*Tectonatica*) *mino* Shell Bluff, Walton Co., pp. 496, *517* pl. lix f. 10, 11; *N.* (*Tectonatica*) *semen* Oak Grove, Yellow River, Okaloosa Co., pp. 496, *547* pl. lix f. 17–19; *N.* (*Tectonatica* ?) *platabasis* Mclelland farm, 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., pp. 496, *518* pl. lix f. 23, 24 **spp. nov.** Tertiary, Florida, J. Gardner Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H**.

Naticarius verae **sp. nov.** Florida, H. A. Rehder Nautilus Philad. **61** 1 1947 p. 19 pl. 1.

†*Naticella japonica* **sp. nov.** Permian, Formosa, I. Hayasaka Mem. Fac. Sci. Taihoku Imp. Univ. Formosa (3) **1** 2 1943 p. 41 pl. iv f. 6.

†*Naticopsis wakimizui* p. 37 pl. iii f. 1–3; *N. minoënsis* p. 38 pl. iv f. 3; *N. fasciata* p. 39 pl. iv f. 4; **spp. nov.** Permian, Formosa, I. Hayasaka Mem. Fac. Sci. Taihoku Imp. Univ. Formosa (3) **1** 2 1943.

†*Pachycrommium dodonum* **sp. nov.** Oak Grove, Yellow River, Okaloosa Co., Florida (Tertiary), J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *557* pl. lix f. 4, 13.

†*Polinices* ? *demicryptus* Tenmile Creek 1 m. W. of Bailey's Ferry, Calhoun Co., f. 20, 21 ; *P. robustus* first ravine below Shell Bluff, Shoal R., Walton Co., f. 5, 14 ; **spp. nov.** pp. 496, *550* pl. lix ; *P.* (*Neverita*) *eucallosus* **sp. nov.** Oak Grove, Yellow R., Okaloosa Co., pp. 496, *551* pl. lix f. 29, 30 ; Tertiary, Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** ; *P. rectilabrum texanus* **var. nov.** Kemp Clay, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 277 pl. 50 f. 7, 8.

Reducta ahlburgi = *Naticella* sp. Ahlburg Trias, Oberschlesien Abh. Pruss. Geol. Lesnit N.F. 50 p. 33 t. 1 f. 7, A. KUTASSY Foss. Catal. **81** 1940 p. 307.

†*Sinum fiski* **sp. nov.** Lower Eocene Sabine formation, Pendleton, Texas, R. J. LE BLANC Geol. Bull. Depart. Conservation Geol. Surv. Louisiana **23** 1942 p. 93 pl. 12 f. 21, 22 ; *S. waltonense* 6 m. W.N.W. of Mossyhead, Walton Co., pp. 496, *553* pl. lix f. 33 ? 34, 35, 36, 38 ; *S. dodoneum* Oak Grove, Yellow R., Okaloosa Co., pp. 496, *554* pl. lix f. 37, 39 **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H.**

LAMELLARIACEA

Pedicularia (*californica* ? phase or form ?) *ovuliformis* **nov.** Farnsworth Bank, 21 fms. off outer coast of Santa Catalina I. Calif. on *Allopora venusta* Verrill, S. S. BERRY Leaflets in Malacology **1** 1 1946 p. 3 f. 1 ; *P. californica* forms in California, S. S. BERRY **110.**

†*Trivia vaughani* **sp. nov.** Tertiary, Shell Bluff, Shoal R., Walton Co., Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 495, *542* pl. liv f. 9, 10.

CYPRAEACEA

Amphiperatidae collected in the Arabian Sea, Bay of Bengal and Andaman Sea, H. C. RAY **797.**

Blasicrura ursellus (Gmelin) variation —tables and graph, F. A. SCHILDER **874.**

Cypraea collecting at the Island of Cebu, J. R. HELFER **416** ; *C. spadicea* Sw. in Lower California, W. M. INGRAM **470** ; *C. cervinetta* Kiener and *C. arabicula* Lk. range, W. M. INGRAM & M. TRAPIDO **472** ; *C. annettae* Dall 1909 pl. 4 f. 2 (col.), J. STEINBECK & E. F. RICKETT **936.**

†*Cypraea* (*Luponia*) *subchinensis* Upper Miocene, Foreland Bay, Epi, p. 66 pl. iv f. 36, 37 ; *C.* (*Erosaria*) *malekulensis* Pliocene, R. Nua, Malekula, p. 67 pl. iv f. 38, 39 ; **spp. nov.** New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 ; *C.* (*Cypraeorbis*) *tapeina* **sp. nov.** Tertiary, fully south of road and east of the bridge over White's Creek on road from Eucheeanna to Knox Hill, Walton Co., Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 495, *541* pl. liv f. 7, 8 ; *C. fossula* 4 (128) pl. 1 f. 3 Miocene near San Jose Paraguana Peninsula, Venezuela ; *C. projecta* p. 5 (129) pl. 1 f. 4, 5 Trion of Tuberá, Colombia, Miocene ; *C. grahami* 6 (130) pl. 2 f. 6, 7, Upper Miocene, I. of Cubagua, Venezuela ; *C. rugosa* 7 (131) pl. 2 f. 8, 9, Upper Miocene, I. of Cubagua, Venezuela ; **spp. nov.**, W. N. INGRAM Bull. Amer. Paleont. Ithaca **31** 121 1947 ; *C. nuciformis* Nacatoch Sand, vicinity of Kaufman p. 314 pl. 59 f. 8–11 ; *C. gracilis* Nacatoch Sand, N. edge of Corsicana p. 314 pl. 59 f. 12, 13 : **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Cypraeacea, F. A. SCHILDER **875.**

†*Cypraedia*—List of species of the Western Region of the Americas, W. M. INGRAM **467.**

Cypraeidae of Hawaiia, W. M. INGRAM **465** ; Cypraeidae—List of living, and Living and Fossil species p. 20 ; List of Extinct species p. 42 ; of the Western Region of the Americas, W. M. INGRAM **467** ; Cypraeidae—A Check List of Western Hemisphere species, W. M. INGRAM **469** ; Cypraeidae collected in the Arabian Sea, Bay of Bengal and Andaman Sea, H. C. RAY **797.**

†*Gisortia* (*Vicetia*) *stefaninii* **sp. nov.** Paleogene, Fezzan, L. Negri Miss. Sci. R. Accad. Ital. a Cufra (1931—IX) Roma **3** 1934 p. 156 text-fig. 4, 5; *Gisortia*—List of species, Western Regions of the Americas, W. M. Ingram **467.**

†*Marginacypraea* **gen. nov.** Miocene (Cypraeidae) genotype *M. paraguana* **sp. nov.** 300 metres S. of Casa Cantaure, Paraguana Peninsula, Venezuela, W. M. Ingram Bull. Amer. Paleont. Ithaca **31** 131 1947 p. 3 (127).

†*Nuclearia* — List of species of Western Regions of the Americas, W. M. Ingram **467.**

TONNACEA

Antephalium semigranosum (Lk.) radula and operculum figd., B. C. Cotton **230.**

Cassidaria echinophora an extreme variation fig., W. Kühnelt **558.**

†*Cassidea* (*Semicassis*) *colongoi* **sp. nov.** Paleogene, Fezzan, L. Negri Miss. Sci. R. Accad. Ital. a Cufra (1931—IX) Roma **3** 1934 p. 160 pl. xiv f. 10 a–c.

Cassis tuberosa L. feeding on *Clypeaster*, R. W. Foster **337.**

†*Cassis zirpoloi* **sp. nov.** Paleogene, Fezzan, L. Negri Miss. Sci. R. Accad. Ital. a Cufra (1931—IX) Roma **3** 1934 p. 159 pl. xiv f. 2 a–c.

Colubraria panamensis Panama Bay p. 55 pl. 2 f. 6; *C. perla* Pearl Islands p. 55 pl. 2 f. 2: **spp. nov.**, M. Smith Nautilus Philad. **61** 2 1947.

Fusitriton algoensis **sp. nov.** Algoa Bay 140 fms. 20 miles south of Cape Recife, J. R. le B. Tomlin J. Conch. London **22** 10 1947 p. 245 text-fig.

Morum (*Oniscidia*) *chipolanum* **sp. nov.** ex Dall MS. 1 m. below Bailey's Ferry, Chipola River, Calhoun Co., Florida, J. Gardner Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 495, *538* pl. liv f. 18.

†*Pyrula* (*Melonga*) *cornuta* Lk. var. *pseudobasilica* **var. nov.**, L. Strausz Mag. K. földt. Irt. Evk. Pest **73** 1–3 1943 pp. 137, *228* pl. 1 f. 1–4. 6–8.

†*Sconsia paralaevigata* **sp. nov.** (Tertiary) Chipola formation, Chipola R., Calhoun Co., Florida, J. Gardner Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 495, *537* pl. liv f. 11.

Xenogalea mawsoni 120 m. W. of Eucla, Western Australia p. 168 pl. xii f. 1, 2; *Xenogalea denda* Great Australian Bight, W. of Eucla 100 fms., Western Australia p. 169 **spp. nov.** B. C. Cotton Trans. roy. Soc. S. Aust. **69** 1 1945.

Ptenoglossa.

EPITONIACEA

†*Belliscala* **gen. nov.** Epitoniidae, genotype *B. rochensis* **sp. nov.** 3 m. N.E. of Corsicana p. 268 pl. 49 f. 19, 20; *B. crideri* p. 269 pl. 49 f. 15–18 **sp. nov.** N. edge of Corsicana, Navarro Group, Upper Cretaceous, Texas, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941.

Cirsotrema (*Cirsotremopsis*) *dalli* Gulf of Mexico off Cape San Blas, Florida, 25 fms.; *C.* (*Cirsotremopsis*) *arcella*, 124 fms. 36 m. S.W. of Cape Hatteras, North Carolina; **spp. nov.**, H. A. Rehder Proc. biol. Soc. Washington **58** 1945 p. 128.

†*Epitonium pongensis* **sp. nov.** Mesozoic, Peruvian Andes, E. F. Richards John Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 36, *75* pl. x f. 8; *E.* ? *austinense* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. Stanton Prof. Pprs. U.S. Geol. Surv. **211** 1947 p. 63 pl. 63 f. 21; *E. bexarense* p. 266 pl. 48 f. 19–21; *E. pondi* p. 266 pl. 48 f. 22, 23; **spp. nov.** Corsicana marl, Navarro Group, Upper Cretaceous, Texas, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941.

Ianthina planispirata A. Ad. *britannica* F. & H. and *pallida* Harvey in Cornwall, T. G. W. Fowler **338.**

PYRAMIDELLACEA

Aclis eolis **sp. nov.** 65 fms. off Sand Key, Florida, P. Bartsch Smithson. misc. Coll. **106** 20 1947 p. 12 pl. 2 f. 2.

Bermudaclis **gen. nov.** Aclididae, genotype *Aclis bermudensis* Dall & Bartsch 1911; "genus most nearly resembles *Graphis* Jeffreys." P. Bartsch Smithson. misc. Coll. **106** 20 1947 p. 2.

Bermudallis tampaensis **sp. nov.** in drift, Tampa Bay, at St. Petersburg, Florida, P. BARTSCH Smithson. misc. Coll. **106** 20 1947 p. 2 pl. 1 f. 1.

†*Böhmia* **gen. nov.** (Coelostylinidae) for *Pseudotrochus* Kittl. 1899 non Klein non Heilprin 1887; type *Lissochilina meta* Böhm 1895 Trias, A. KUTASSY Foss. Catal. **81** 1940 p. 378.

†*Creonella whitei* p. 263 pl. 48 f. 1–3; *C. leasseni* p. 265 pl. 48 f. 6, 7; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Diacolax cucumariae **gen.** et **sp. nov.** Eulimidae parasitic on the holothurian *Cucumaria mendax*, S. Atlantic, Falkland Islands 51° 10′ S. and 64° 15′ 30″ W., depth 150 m., G. MANDAHL-BARTH Vid. Medd. Dansk. nat. Foren. **109** 1946 p. 55 text-figs.

Eulima augustoi **sp. nov.** Timor, A. NOBRE An. Fac. Ciênc. Pôrto **22** 3 1937 p. 159 pl. 2 f. 1–3.

Chrysallida (*Chrysallida*) *ornatissima* **sp. nov.** Point Pinos, Monterey Peninsula, California, washed from sand in a tide pool, F. HAAS Field Mus. Pub. Chicago **29** 1 1943 p. 4 f. 2 a–c.

Costaclis **gen. nov.** p. 7 Aclididae, genotype *Aclis nucleata* Dall p. 8 pl. 2 f. 3 off St. Vincent, W.I., P. BARTSCH Smithson. Misc. Coll. **106** 20 1947.

Graphis underwoodae **sp. nov.** in drift in Tampa Bay at St. Petersburg, Florida, P. BARTSCH Smithson. Misc. Coll. **106** 20 1947 p. 6 pl. 1 f. 4.

Hemiaclis Sars 1878 Moll. Reg. Arct. Norvegiae 197 = *Stilbe* Jeff. P.Z.S. 1884 p. 130, P. BARTSCH **89**; *H. benedicti* 294 fms. off Fernandina, Florida, p. 22 pl. 5 f. 5; *H. tanneri* off Long Island, N.Y., p. 23 pl. 5 f. 1; P. BARTSCH Smithson. Misc. Coll. **106** 20 1947.

Henrya **gen. nov.** Aclididae p. 12, genotype *Henrya henryi* **sp. nov.** p. 13 pl. 3 f. 2 larger of the two lakes in the island of San Salvador, Bahama, P. BARTSCH Smithson. Misc. Coll. **106** 20 1947.

Henrya goldmani in a saline lagoon near Progresso, Yucatan, p. 14 pl. 3 f. 3; *H. morrisoni* in drift at the edge of a mangrove swamp on Shell Key off St. Petersburg, Florida, p. 14 pl. 3 f. 1; **spp. nov.**, P. BARTSCH Smithson, Misc. Coll. **106** 20 1947.

Iselica psila **sp. nov.** Tertiary, 1 m. below Bailey's Ferry, Calhoun Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 496 pl. lvii f. 27, 28.

†*Loxonema* (*Zygopleura*) *westfalica* "**sp. nov.**" Middle Ludlow, Europe, G. DAHMER Senckenb. Frankfurt **27** 2 1946 p. 80.

†*Mathilda cedarensis* **sp. nov.** 2½ m N. of Corbet, Navarro Group, Neylandville marl, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 270 pl. 48 f. 10.

Melanella rosa **sp. nov.** 125 fms. off Redondo, California, G. WILLETT Bull. S. Calif. Acad. Sci. **43** 2 1944 p. 72 pl. 14 f. 2.

†*Melanella* (*Eulima* ?) *parva* **sp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 181 pl. 33 f. 11, 12.

†*Murchisonia yabei* **sp. nov.** Permian, Formosa, I. HAYASAKA Mem. Fac. Sci. Taihoku Imp. Univ. Formosa (3) **1** 2 1943 p. 32 pl. ii f. 2, 3 pl. iv f. 1, 2 pl. v text-fig. 2.

Obeliscus (*Rectobelus*) *birabeni* **sp. nov.** Argentina, M. I. H. SCOTT Notas Mus. La Plata Zool. **11** 97 1946 p. 364 text-figs, plate.

Pelsenuria **gen. nov.** near *Mucronalia*, Azores, 1st sp. *P. profunda* **sp. nov.** R. ROCHLER & C. VANEY Rés. Camp. sci. Monaco Fasc. 103 1940 p. 113.

Pelsenuria profunda p. 113 pl. ii f. 28, 29, 32, 34–36; *P. media* p. 113 pl. ii f. 30 Azores; *P. minor* Banc de Seine p. 114 pl. ii f. 27, 31, 33 **spp. nov.**, R. KOCHLER & C. VANEY Rés. Camp. sci. Monaco Fasc. 103 1940.

†*Pseudomelania runnelsi* **sp. nov.** Kemp Clay, Navarro Group, Webberville, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 265 pl. 48 f. 4, 5.

Pyramidellidae—Keys to determining species, A. M. STRONG **965**.

Schwengelia **gen. nov.** Aclididae, genotype *Aclis hendersoni* Dall off Fernandina, Florida, P. BARTSCH Smithson. Misc. Coll. **106** 20 1947 p. 10 pl. 2 f. 6, genus includes *Actis floridana* Bartsch 1911.

†*Strombiformis ischna* ½ m. below Shell Bluff, Shoal River, Walton Co., pp. 496, *573* pl. lv f. 16; *S.* (*Polygireulima defuniak* De Funiak Springs, Walton Co., pp. 496, *574* pl. lv f. 15; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H**.

†*Tuba* ? *Manzaneti* **sp. nov.** vicinity of Chatfield, Nacatoch Sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 269 pl. 48 f. 15–17.

STENOGLOSSA.

(α) RHACHIOGLOSSA.

MURICACEA

Afritrophon **gen. nov.** Muricidae, genotype *Trophon kowieensis* Sow. Proc. Malac. Soc. iv p. 213 pl. 22 f. 16 1901 "The Kowie," J. R. LE B. TOMLIN J. Conch. London **22** 11 1947 p. 271.

†*Eupleura pterina* **sp. nov.** Tertiary, Florida, 6 m. W.N.W. of Mossyhead, Walton Co., J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 495, *532* pl. liii f. 6.

†*Morea cancellaria corsicanensis* N. edge of Corsicana p. 326 pl. 61 f. 7–9; *M. c. crassa* 2½ m. N. of Corsicana p. 327 pl. 61 f. 5, 6; *M. marylandica bella* N. edge of Corsicana p. 327 pl. 61 f. 1, 2; **vars. nov.** Nacatoch Sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Murex vittatus minusculus **subsp. nov.** Pearl Islands, Panama, M. SMITH Nautilus Philad. **61** 2 1947 p. 54 pl. 2 f. 8; *M.* (*Murex*) *dasus* 1 m. below Bailey's Ferry, Chipola R., p. 518 pl. liii f. 4; *M.* (*M.*) *nicholsi* 5–6 m. W.N.W. of Mossyhead, Walton Co., p. 519 pl. liii f. 3; *M.* (*Chicoreus*) *folidodes* 1 m. below Bailey's Ferry, Calhoun Co., p. 529 pl. liii f. 5; *M.* (*C.*) *aldrichi* Shell Bluff, Shoal R., Walton Co., p. 521 pl. liii f. 11; *M.* (*C.* ?) *pyknos* 5 m. W. of Mossyhead, Walton Co., p. 522 pl. liii f. 10; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** species listed on p. 495; *M. brevifrons* Lk. fig., H. GINÉS **372**; *M. trunculus* egg laying, L. F. DULZETTO **283**; *M. trunculus* functions of the hypobranchial gland, A. JULLIEN **494**; *M. rectirostris* Sow. pl. 2 fig. 1 (col.), J. STEINBECK & E. F. RICKETTS **936**.

†*Muricopsis laccopoia* **sp. nov.** (Tertiary) 1 m. below Bailey's Ferry, Chipola River, Calhoun Co., Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 495, *529* pl. lii f. 40, 41.

Nucella (*Patinigera*) *polaris* (Hoenbron & Jaquinot) in Melchior Harbour, Palmer Land 64° 42′ S. 63° 35′ W., P. BARTSCH **85**.

Ocinebra aciculata development, A. FRANE **339**.

†*Paziella* (*Dallimurex*) *lychnia* p. 523 pl. liii f. 12, 13; *P.* (*D.*) *fusinoides* p. 524 pl. lii f. 39, 42; **spp. nov.** Tertiary, 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** species list p. 495.

†*Personella floridana* **sp. nov.** (Tertiary), Shell Bluff, Shoal River, Walton Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 495, *535* pl. liii f. 8.

Phyllonotus bicolor (Valenciennes) 1852 fig. in col. pl. 1; *P. princeps* (Brodrip) pl. 3 f. 2 (col.), J. STEINBECK & E. F. RICKETTS **936**.

†*Pteropurpura dryas* **sp. nov.** (Tertiary) Oak Grove Bridge, Yellow River, Okaloosa Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 495, *525* pl. liii f. 9.

Purpura hemastor observations, M. ANTOINE **42**; *Purpura* of the Western Atlantic, W. J. CLENCH **200**.

Sarganidae allied to Purpuridae and Muricidae "but has low spire, the presence of a colamella fold and the absences of prominent spines and varices," L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 325.

Schizobasis Wade "should be classed in Sarganidae or in a closely parallel

family instead of Tubinidae to which he referred it," L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 325.

Tetrastomella Bellardi in Sacco type designated : *Murex subulatus* Brocchi Plaisancian of northern Italy, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** p. 510.

Thais tuberculata Gray pl. 3 f. 1 (col.), J. STEINBECK & E. F. RICKETTS **936** ; *T. carinifera* (Lk.) larval development, G. THORSON **1007**.

Thaisella **subgen. nov.** of *Thais* Röding, subgenotype *Purpura trinitatensis* Guppy, W. J. CLENCH Johnsonia **2** 23 1947 p. 69.

Tolema peregrina **sp. nov.** trawled on *Atrina* beds near entrance to Hauraki Gulf, probably 20–25 fms., one example, A. W. B. POWELL Rec. Auckland Inst. Mus. **3** 3 1947 p. 171 pl. 19 f. 3.

†*Tritonalia coryphaena* **sp. nov.** Lomita marl, Hilltop Quarry, Pleistocene, Palos Verdes Hills, California, W. P. WOODRING Prof. Pprs. U.S. Geol. Surv. **207** 1946 pp. 61, *76* pl. 30 f. 2.

Typhis melloleitaii **sp. nov.** Mocóca, state of S. Paulo, Brazil, F. L. DE MORRETES Ang. zool. S. Paulo **2** 1941 p. 251 pl. 1 f. 1–3.

Urosalpinx protoconchs, figs., B. SMITH **911**.

†*Urosalpinx phagon* Oak Grove, Okaloosa Co., p. 530 pl. lii f. 36, 37 ; *U. tribaka* Shell Bluff, Shoal River, Walton Co., p. 531 pl. lii f. 35, 45 ; *U. xustris* Oak Grove, Okaloosa Co., p. 53 pl. lii f. 44 ; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** p. 495, list of species.

Vitularia selebrosa extensa **subsp. nov.** Panama, M. SMITH Nautilus Philad. **61** 2 1947 p. 54 pl. 2 f. 5.

BUCCINACEA

†*Aliofusus* **gen. nov.** Fusidae, genotype *A. reagani* **sp. nov.** Nacatoch Sand Navarro Group, Upper Cretaceous, vicinity of Kaufman, Texas, p. 336 pl. 64 f. 8, 9 ; *A. r. subtilis* pl. 64 f. 11, 12 ; *A. r. tumidus* pl. 64 f. 10 ; **vars. nov.** Nacatoch Sand, vicinity of Kaufman, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Anomalofusus bellulus* **sp. nov.** Neylandville marl, Navarro Group, Upper Cretaceous, Corsicana road, 2½ m. N. of Corbet, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 335 pl. 64 f. 5–7.

Austrosipho Cosimann 1906 = Berylanea = Largisipho ? A. W. B. POWELL **776**.

†*Bellifusus* **gen. nov.** Fusidae, genotype *Odontofusus curvicostatus* Wade p. 338 ; *B ? coronatus* Neylandville marl 2½ m. N. of Corbet, p. 338 pl. 64 f. 1–3 ; *B. robustus* Nacatoch Sand, N. edge of Corsicana p. 339 pl. 65 f. 19, 20 ; *B. tenuistriatus* Nacatoch Sand, vicinity of Kaufman p. 339 pl. 65 f. 7–9 ; *B. ? deatsvillensis* Kemp Clay near Deatsville p. 340 pl. 65 f. 17, 18 ; *B ? multicostatus* Kemp Clay near Deatsville p. 340 pl 65 f 10, 11 ; *B. crassicostatus* Kemp Clay near Deatsville p. 340 pl. 65 f. 5, 6 ; *B. buffaloeneis* Kemp Clay 3½ m. N.N.W. of Bazette, Navarro Co., p. 341 pl. 65 f. 12–13 ; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Berylsma Iredale 1924 = *Austrosipho* = *Largisipho* ? A. W. B. POWELL **776**.

†*Buccinulum teschi* p. 14 f. 1–6 ; *B. madurense* p. 16 f. 7, 8 ; **spp. nov.** Upper Miocene, Madura Island, East Indies, C. BEETS Geol. Mijnbouw The Hague **6** N.S. 1–2 1944.

Busycon protoconchs, figs., B. SMITH **911**.

†*Busycon atraktoides* Old Senterfist Mill 4½ m. S.W. of Larel Hill, Walton Co., pp. 438, *450* pl. xlix f. 9, 10 ; *B. aldrichi* ½ m. below Shell Bluff, Shoal River, Walton Co., pp. 438, *450* pp. xlix f. 11, 12 ; *B. dasum* Flournoy's millrace, 2 m. E. of Argyle, Walton Co., pp. 438, *451* pl. 1 f. 10, 11 ; *B. foerstei* 5½ m. S.E. of Bainbridge, Decatur Co., Ga., pp. 438, *452* pl. xlix f. 19, 20 ; **spp. nov.** Alum Bluff Group, Florida ; *B. radix* Oak Grove, Yellow River, Okaloosa Co., Florida, pp. 438, *452* pl. xlix f. 17, 18 ; *B. epispiniger*

Tenmile Creek, 1 m. W. of Bailey's Ferry, Calhoun Co., Florida, pp. 438, *454* pl. 1 f. 6; *B. sicyoides* 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., Florida, pp. 438, *455* pl. 1 f. 7, 8; *B.* (*Sycotypus*) *proterum* Roseland plantation 3½ m. S.E. of Bainbridge, Decatur Co., Ga., **spp. nov.** Tertiary, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1944 **142G**.

Cominella (*Eucominia*) *nassoides foveauxana* **subsp. nov.** Foveaux Strait p. 143 pl. 12 f. 3, 4; the type locality for typical *nassoides* here designated as Ringaringa, Steward Island, p. 142; *C.* (*E.*) *haroldi* **sp. nov.** Chalky Inlet, S.W. Otago p. 142 pl. 12 f. 8, 9; *C.* (*E.*) *otakauica* **sp. nov.** p. 143 pl. 12 f. 5–7 off Otago Heads, 20 fms. and 40–60 fms. (type from 60 fms.); *C.* (*E.*) *marlboroughensis* **sp. nov.** p. 143 pl. 12 f. 10, thirty miles S. of Wellington and 25 m. E. of Cape Campbell, 70 fms., A. W. B. POWELL Rec. Auckland Inst. Mus. **3** 2 1946.

Columbella blanda Sowb. larval development, G. THORSON **1007**.

†*Cryptorhytis desioi* **sp. nov.** p. 177 pl. xvii f. 1–3; *C. rigida sanfilippoi* **var. nov.** p. 179 pl. xvii f. 4, Maestrichtian, Tripolitania, C. MAXIA Boll. Soc. geol. ital. **60** 2–3 1942.

†*Deussenia* **gen. nov.** Buccinidae, genotype *D. ciboloensis* Kemp Clay W. of Zuehl, Texas, p. 332 pl. 64 f. 13, 14; with *D. travisana* Kemp Clay 1¾ m. N.N.W. of Deatsville p. 333 pl. 63 f. 5–8; *D. multilirae* Kemp Clay near Deatsville p. 333 pl. 62 f. 3–5; *D. corbis* Kemp Clay 2 m. N.W. of Deatsville p. 334 pl. 62 f. 1, 2; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941: *D. ripleyana* **sp. nov.** Ripley formation (Upper Cretaceous), Pleasant Ridge Lake, 1 m. S. of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 84 pl. 4 f. 25–26.

†*Engoniophos glyptus* **sp. nov.** 1 m. below Bailey's Ferry, Chipola River, Calhoun Co., Florida (Tertiary), J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1944 **1419** pp. 434, *464* pl. 1 f. 18.

†*Exilia* Conrad 1860 not *Exilia* Conrad ? Thiele 1929, not *Exilia* Mulsant (Coleopt) 1863; *E. potreroensis* Domengine Eocene of the Potrero Hills (a cast) p. 210 pl. 1 f. 21; *E. simiensis* Llajas formation Middle Eocene of Simi Valley p. 211 pl. 2 f. 6, 7, 22; *E. llajasensis* Llajas formation, Simi Valley, p. 212 pl. 1 f. 28 pl. 2 f. 16; *E. clarki* Cocolitz Eocene, West bank of the Cocolitz River, Lewis Co., Washington p. 215 pl. 2 f. 2, 3, 8, 12, 15, 17, 19, 20; **spp. nov.** Eocene of America, H. BENTSON Univ. Calif. Pub. Geol. **25** 5 1940.

†*Exiloidea rectirostris* Cpr. *hertleini* **subsp. nov.** Pliocene of California, Fourth and Hill Streets, Los Angeles, H. BENTSON Univ. Calif. Pub. Geol. **25** 5 1940 p. 224 pl. 2 f. 23, 24 pl. 3 f. 1, 10.

†*Falsifusus harrisi* **sp. nov.** Matthews Landing, Alabama R., Wilcox Co., Alabama, Upper Midway Group, Nakeola formation, Lower Eocene, R. J. LE BLANC Geol. Bull. Dept. Conservation Geol. Surv. Louisana **23** 1942 p. 131 pl. 16 f. 5, 6; *F.* ? *blancensis* p. 108 pl. 55 f. 27–29; *F.* ? *gainesvillensis* p. 109 pl. 55 f. 19; **spp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947.

†*Fasciolaria malladae* **sp. nov.** Pliocene, Malaga, J. GAVALA Notus Comunia Inst. Geol. Min. España **16** 1946 p. (3) 55 plate.

†*Ficus copapyratia* **sp. nov.** Tertiary 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** pp. 495, *539* pl. liv f. 1–3.

†*Fusinus waltonensis* **sp. nov.** Shell Bluff, Shoal River, Walton Co., Florida (Tertiary), J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1944 **142G** pp. 438, *448* pl. xlix f. 7, 8.

Fusus ? *robertsi* **sp. nov.** Nacatoch Sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 334 pl. 64 f. 15, 16.

†*Graphidula* **gen. nov.** Graphidulidae **fam. nov.**, genotype *G. terebriformis* **sp. nov.** Nacatoch Sand, vicinity of Chatfield pp. 345, 346 pl. 66 f. 13, 14; *G.* ? *multicostata* Kemp Clay W. of Zuehl p. 347 pl. 66 f. 11, 12; *G.* ? *fabriciensis* Kemp Clay, San Gabriel R., p. 347 pl. 66 f. 15, 16; **spp. nov.** Navarro Group, Upper Cretaceous,

Texas. *Piestochulus cancellatus* Wade and *Mesorhytis obscura* are referable to this genus, *vide* p. 346. L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Graphidula tippiahensis* **sp. nov.** Ripley formation (Upper Cretaceous) Pleasant Ridge Lake, 4 m. south of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 85 pl. 5, f. 33–34.

Heilprinia protoconchs, figs. B. SMITH **911**.

†*Hesperisternia* **gen. nov.** Fasciolariidae, type *H. waltonia* **sp. nov.** Shoal River formation, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1944 **142G** p. 445.

Hesperisternia protoconchs, B. SMITH **911**.

†*Hydrotribulus asper* **sp. nov.** Kemp Clay, Branch 6½ m. S.W. of Currie, Texas, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 330 pl. 63 f. 9, 10.

Lagenidae, existence of a mesial partition in the, P. MURAOUR **705**.

Largisipho Iredale 1929 = *Austrosipho* = *Berylsma* ? A. W. B. POWELL **776**.

†*Latirus quadriplicatus* **sp. nov.** Pliocene, R. Mea, Malekula, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 77 pl. v f. 14, 15.

†*Lomirosa* **gen. nov.** Graphidulidae, genotype *Lirosoma cretacea* Wade, Ripley formation, Coon Creek, Tennessee. L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 348 pl. 67 f. 18, 19.

Melongena patula Brod. & Sow. pl. 8 f. 2, J. STEINBECK & E. F. RICKETTS **936**.

†*Mitrella pedana* p. 501 pl. lii f. 9, Chipola formation; *M. juncea* p. 502 pl. lii f. 17, Shell Bluff, Shoal R., Florida; *M. tytha* p. 502 pl. lii f. 24 ½ m. below Shell Bluff, Shoal R.; *M. photeina* p. 503 pl. lii f. 25 1 m. below Bailey's Ferry, Chipola R.; *M. mikra* p. 503 pl. lii f. 20, Oak Grove, Yellow R., Florida; *M. perfervida* Dall *megala* **subsp. nov.** p. 511 pl. lii f. 21 1 m. below Bailey's Ferry; *M. ischna* p. 511 pl. lii f. 7 1 m. below Bailey's Ferry, Chipola R.; *M. ischna mitrodita* **subsp. nov.** p. 512 pl. lii f. 8 Tenmile Creek, Calhoun Co., Florida; *M. blastos* p. 506 pl. lii f. 12, McLelland's Farm, W. bank of Chipola R.; *M. oxia* p. 506 pl. lii f. 18 1 m. below Bailey's Ferry, Chipola R.; *M. phagon* p. 507 pl. lii f. 2, Oak Grove, Yellow R., Florida; *M. alumen* p. 508 pl. lii f. 5, Lower Miocene of Alum Bluffs, Apalachicola R., Florida; *M. dallina* p. 509 pl. lii f. 4 1 m. below Bailey's Ferry, Chipola R.; *M. oryzoides* p. 504 pl. lii f. 19 1 m. below Bailey's Ferry, Chipola R., Florida; *M. nanna* p. 505 pl. lii f. 22 1 m. below Bailey's Ferry, Chipola R.; *M. stikta* p. 505 pl. lii f. 23 1 m. below Bailey's Ferry, Chipola R.; *M. sima* p. 505 pl. lii f. 10, McLelland's Farm 1 m. below Bailey's Ferry; *M. belonis* p. 506 pl. lii f. 11, Ploynton Landing, Choctawhatchee R.; *M. asema* p. 509 pl. lii f. 6 1 m. below Bailey's Ferry, Chipola R.; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington **142H** 1947.

Nassa mutabilis muscular system, M. ROTARIDES **828**.

†*Nassa* (*Niotha*) *auberti* **sp. nov.** Pliocene, R. Nua, Malekula, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 73 pl. v f. 8, 9; "*Nassa*" *fossata collotera* **var. nov.** pp. 61, *73* pl. 35 f. 10, 11; "*Nassa*" *delosi* **sp. nov.** pp. 61, *74* pl. 35 f. 12–15; **spp. nov.** Pleistocene Palos Verde Hills, California, W. P. WOODRING Prof. Pprs. U.S. Geol. Surv. **207** 1946.

†*Nassarina trachea* **sp. nov.** Shell Bluff, Shoal River, Walton Co., Florida (Tertiary), J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1944 **142G** pp. 438, *465* pl. 2 f. 21.

Nassarius ioaedes, *N. luteostoma* pl. 5 f. 2 (col.), J. STEINBECK & E. F. RICKETTS **936**.

†*Ornopsis pulchra* Nacatoch Sand, N. edge of Corsicana p. 342 pl. 66 f. 7–9; *O. solistella* Corsicana marl 1 m. N. of McQueeney, p. 343 pl. 66 f. 5, 6; *O.* ? *maxeyi* Nacatoch Sand, vicinity of Kaufman p. 343 pl. 66 f. 3, 4; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Phos (*Strongylocera*) *tribatus* Oak Grove, Yellow R., Okaloosa Co., pp. 438, *461* pl. 1 f. 22; *P.* (*S.*) *pedanus*

Lower bed, Alum Bluff, Liberty Co., pp. 438, *461* pl. 1 f. 19; **spp. nov.** Tertiary Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1944 **142G.**

†*Piestochilus* ? *levis* **sp. nov.** Kemp Clay W. of Zuehl, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 350 pl. 67 f. 15–17.

†*Pinella* **gen. nov.** Busyconidae, genotype *P. reticulata* **sp. nov.** Kemp Clay W. of Zuehl, Texas, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 324 pl. 60 f. 1, 2.

†*Remera* **gen. nov.** Fusidae, genotype *R. microstriata* **sp. nov.** Neylandville marl 2½ m. N. of Corbet p. 344 pl. 65 f. 3, 4; *R. decora* Neylandville marl N. of Corbet p. 345 pl. 65 f. 1, 2; **sp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Remera stephensoni* **sp. nov.** Ripley formation (Upper Cretaceous), Pleasant Ridge Lake 4 m. S. of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 85 pl. 5 f. 35–36.

†*Ripleyella* **gen. nov.** Fusidae, genotype *Ornopsis elevata* Wade. *O. pulchra* Stephenson should be placed in the new genus, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 84.

Strombina waltonia Shell Bluff, Shoal R., Walton Co., p. 513 pl. lii f. 26–28; *S. lissa* Shell Bluff, Shoal R., p. 514 pl. lii f. 14, 15; *S. lampra* De Funiak Springs, Walton Co., p. 515 pl. lii f. 13; *S. ceryx* Shell Bluff, Shoal R., p. 515 pl. lii f. 16; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1947 **142H** species listed on p. 495.

†*Tritiaria* (*Antillophos*) *dictyola* **sp. nov.** McClelland Farm 1 m. below Bailey's Ferry, Chepola River (Tertiary), Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1944 **142G** pp. 438, *462* pl. 1 f. 17.

†*Tryonia* **gen. nov.** [non Stimpson 18–5] Buccinidae, genotype *T. valida* **sp. nov.** Nacatoch Sand, Navarro Group, Upper Cretaceous, vicinity of Corsicana, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 pp. 331, 332 p. 62 f. 8, 9.

†*Uzita pedana* Shell Bluff, Shoal River, Walton Co., Florida, pp. 438, *470* pl. li f. 12, 13; *U. nanna* 5–6 m. W.N.W. of Mossyhead, Walton Co., Florida, pp. 438, *471* pl. li f. 10, 11; *U. cinclis* Tenmile Creek, Calhoun Co., Florida, pp. 438, *472* pl. li f. 8; *U. dasynema* 1 m. below Bailey's Ferry, Chipola River, Calhoun Co., Florida, pp. 438, *473* pl. li f. 9; *U. dasynema cesta* **subsp. nov.** with the species pp. 438, *474* pl. li f. 14; *U. cystoides* 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., Florida, pp. 438. *474* pl. li f. 15; *U. anisonema* 1 m. below Bailey's Ferry, pp. 438, *475* pl. li f. 16; *U. oxia* 1 m. below Bailey's Ferry, pp. 438, *475* pl. li f. 17; *U. dryas* Oak Grove, Okaloosa Co., Florida, pp. 438, *476* pl. li f. 18; *U. dryas leptalea* loc. as species pp. 438, *477* pl. li f. 19; *U. eutykta* Oak Grove, Okaloosa Co., pp. 438, *498* pl. li f. 20, 21; *U. ischna* Oak Grove, Okaloosa Co., pp. 438. *478* pl. li f. 22; *U. bimitrodita* Oak Grove, Yellow River, Okaloosa Co., Florida, pp. 438, *479* pl. li f. 25; *U. tribaka* 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., Florida, pp. 438. *479* pl. li f. 29; *U. dasa* 5 m. W. of Mossyhead and ½ m. below Shell Bluff, Walton Co., Florida, pp. 438, *480* pl. li f. 26; *U. paraprista* 3½ m. S.W. of De Funiak Springs, Walton Co., Florida, pp. 438, *480* pl. li f. 27; *U. prista* ½ m. below Shell Bluff, Shoal R., Walton Co., Florida, pp. 438, *481* pl. li f. 28; *U. opeas* 1 m. below Bailey's Ferry, Chipola R., Calhoun Co., Florida, pp. 438, *484* pl. li f. 31; *U. rabdota* Gastropod Gulch 5½ m. S.E. of Bainbridge, Ga., pp. 438, *485* pl. li f. 34, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F.**

Verconella dispar p. 165 pl. 18 f. 3 off Cape Campbell, Marlborough, N.Z., 30–40 fms. one example only: *V. jeakingsi* p. 167 pl. 17 f. 1 Cook Strait, probably Tasman Bay, Nelson, N.Z.; *V. adpressa* p. 168 pl. 17 f. 5 off Maunganui Bluff, W. coast of North Auckland Peninsula, 50 fms.; *V. fairfieldae* p. 169 pl. 18 f. 1, 2, trawled off E. coast of Otago, N.Z.; **spp. nov.** *V. adusta worthyae* **subsp. nov.** p. 167 pl. 17 f. 2, trawled in Cook Strait, probably Tasman Bay, Nelson, N.Z., A. W. B. POWELL Rec. Auckland Inst. Mus. **3** 3 1947; *Verconella fairfieldi*

sp. nov., trawled off eastern coast of Otago, N.Z., A. W. B. POWELL Aust. Inst. Mus. **3** 3 1947 p. 169 pl. 18 f. 1, 2; *Verconella*, Phylogeny of; *V. dispar* **sp. nov.** p. 165 pl. 18 f. 3 off C. Campbell, Marlborough, 30–40 fms. unique ex Powell coll. Auckland Mus.; *V. adusta worthyae* **subsp. nov.** p. 167 pl. 17 f. 2, trawled in Cook Strait (probably Tasman Bay, Nelson); *V. adpressa* **sp. nov.** p. 168 pl. 17 f. 5 off Maunganui Bluff, W. coast of North Auckland Peninsula; *V. jeakingsi* p. 167 pl. 17 f. 1, trawled in Cook Strait (probably Tasman Bay, Nelson); **sp. nov.**, A. W. B. POWELL Auck. Inst. Mus. **3** 3 1947.

†*Verconella hiatula* p. 166 pl. 17 f. 3, Lower Kai Iwi blue clay, seacliffs between Kai Iwi and Okehu, Lower Castlecliffian (Upper Pliocene), Nukuma ruan (Middle Pliocene); *V. imperfecta* p. 168 pl. 18 f. 6, 7, Awamoa near Oamaru Awamoan (Upper Oligocene), N.Z.; **spp. nov.**, A. W. B. POWELL Rec. Auckland Inst. Mus. **3** 3 1947.

VOLUTACEA

Afrivoluta pringlei **gen. et sp. nov.** S.E. of Cape Recife in 120 fms., J. R. LE B. TOMLIN J. Conch. London **22** 10 1947 p. 244 text-fig.

†*Cancellaria* ? *matsoni* **sp. nov.** Kemp Clay 730 feet in well 2 m. W. of Groesbeck, Texas, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 362 pl. 69 f. 4, 5; *C. defuniak* 3½ m. S.W. of De Funiak Springs, Walton Co., pp. 253, *365* pl. xliv f. 1, 2; *C. subtiarophora* Walton Co. pp. 253, *366* pl. xliv f. 3, 4; *C. waltoniana* Walton Co. pp. 253, *266* pl. xliv f. 5, 6; *C. druidarum* Yellow R., Okaloosa Co. pp. 253, *367* pl. xliv f. 7–8; *C. stibara* Yellow R., Okaloosa Co. pp. 253, *368* pl. xliv f. 9, 10; *C. mitrodita* Chipola R., Calhoun Co. pp. 253, *369* pl. xliv f. 11; *C. pinguis* Shell Bluff, Shoal River, Walton Co. pp. 253, *370* pl. xliv f. 12, 13; *C. spherotopleura* Shell Bluff, Shoal River, Walton Co. pp. 253, *370* pl. xliv f. 14, 15; *C. aldrichi* Chipola River, Calhoun Co. pp. 253, *372* pl. xlv f. 2; *C. paramoorei* Chipola River, Calhoun Co. pp. 253, *372* pl. xlv f. 3, 4; *C. desmotis* Chipola River, Calhoun Co. pp. 253, *373* pl. xlv f. 5; *C. ancycla* Chipola River, Calhoun Co. pp. 253, *374* pl. xlv f. 6, 7; *C. runchaena* Adams Mill Creek, Walton Co. pp. 253, *375* pl. xlv f. 8, 9; *C.* (*Trigonostoma*) *sphenoidostoma* Shoal River, Walton Co. pp. 253, *376* pl. xlv f. 11, 12; *C.* (*Narona*) *atraktoides* Shoal River, Walton Co. pp. 253, *376* pl. xlv f. 13, 14; *C.* (*Aphera*) *waltonensis* Shoal River, Walton Co. pp. 253, *377* pl. xxxvii f. 3, 4 pl. xlv f. 15, 16; **spp. nov.**, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington **154F** 1942.

†*Caricella* (*Atraktus*) *florea* **sp. nov.** Tertiary, Florida, Eucheeanna–Knox Hill road 6·7 m. S. of Argyle, Walton Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142H** 1947 p. 637 pl. lii f. 31.

†*Caveola* **gen. nov.** Cancellariidae, genotype *Cancellaria acuta* Wade (p. 108 U.S. Geol. Surv. Pr. Ppr. 137 pl. 35 f. 4, 5) p. 363 pl. 70 f. 8–10; *C. producta* **sp. nov.** Nacatoch Sand, vicinity of Chatfield p. 364 pl. 70 f. 11, 12; Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Conomitra apalachee* **sp. nov.** 1 m. below Bailey's Ferry, Chipola River, Calhoun Co., Florida, Tertiary, J. GARDNER Prof. Pprs. U.S. Geol. Mus. Washington 1937 **142F** pp. 254, *420* pl. xlviii f. 36.

†*Cornulina triseralis* **sp. nov.** Logansport formation, Natahitoches Parish, Louisiana, R. J. LE BLANC Geol. Bull. Depart. Conservation Geol. Surv. Louisiana **23** 1942 p. 133 pl. 16 f. 8.

†*Cryptochorda eureia* Leon Co., Texas, p. 800 pl. 43 f. 3; *C. stenostoma* Smithville, Bastrop Co., Texas, p. 803 p. 43 f. 4; **spp. nov.** Middle Eocene, H. B. STENZEL & F. E. TURNER Univ. Texas Bull. Austin **3945** 1939.

†*Cymakra* **gen. nov.** [Mitridae] type *C. poncei* **sp. nov.** Chipola formation, McClelland's Farm 1 m. below Bailey's Ferry, Chipola River, Calhoun Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F** pp. 254, *421* pl. xli f. 37.

†*Cypraeolina defuniak* Defuniak *Cardium* beds, Walton Co. pp. 254, *402* pl. xlvii f. 29; *C. pyrenoides* Chipola River, Calhoun Co. pp. 254, *403* pl. xlvii

f. 30; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Drilluta crassicostata* Nacatoch Sand N. edge of Corsicana p. 352 pl. 67 f. 3, 4; *D. paucicostata* Nacatoch Sand, vicinity of Corsicana p. 353 pl. 67 f. 1, 2; *D. brevispira* Neylandville marl 3½ m. W.N.W. of Corsicana p. 354 pl. 67 f. 7; **spp. nov.** *D. crassicostata longa* **var. nov.** Nacatoch Sand, vicinity of Corsicana p. 353 pl. 67 f. 5, 6; Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Eoancilla* **gen. nov.** Olividae, genotype *E. acutula* **sp. nov.** Kemp Clay, Webberville, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 361 pl. 69 f. 8, 9.

†*Hercorhyncus gracilis* **sp. nov.** Ripley formation (Upper Cretaceous), Pleasant Ridge Lake 4 m. S. of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 83 pl. 6 f. 37, 38; *H. malleiforme* Kemp Clay W. of Zuehl p. 321 pl. 61 f. 10, 11; *H. vadosum* Nacatoch Sand, vicinity of Kaufman p. 322 pl. 61 f. 18–20; *H. nodosum* Neylandville marl 2½ m. N. of Corbet p. 322 pl. 61 f. 14, 15; *H. mundum* Neylandville marl 2½ m. N. of Corbet p. 322 pl. 61 f. 16, 17; *H. coronale* Nacatoch Sand 2½ m. W. by S. of the courthouse at Corsicana p. 323 pl. 61 f. 12, 13; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Lapparia elongata* Bluff on right bank of Colorado River at Smithville, Bastrop Co., Texas, p. 806 pl. 44 f. 3, 5; *L. nuda* loc. as last sp. p. 808 pl. 44 f. 6, 9; *L. crassa* Little Brazos River 9·4 m. W. of Bryan, Brazos Co., Texas, p. 813 pl. 44 f. 1 pl. 45 f. 1; *L. cancellata* Sabine Parish, Louisiana, p. 815 pl. 44 f. 2; **spp. nov.** Eocene, H. B. STENZEL & F. E. TURNER Univ. Texas Bull. Austin **3945** 1939.

†*Liopeplum leioderma longum* p. 350 pl. 67 f. 11, 12; *L. l. breve* p. 351 pl. 67 f. 9, 10; *L. l. tabulatum* p. 351 pl. 67 f. 13, 14; **vars. nov.** Nacatoch Sand, vicinity of Kaufman, Texas, Upper Cretaceous, Navarro Group, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Lupira* **gen. nov.** Vasidae, genotype *Xancus variabilis* Wade U.S. Geol. Pr. Ppr. 137 p. 124 pl. 44 f. 3, 4 (1926); *L. pyriformis* **sp. nov.** pl. 69 f. 1, 2 Nacatoch Sand, vicinity of Corsicana, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 360.

†*Lupira polycyma* **sp. nov.** Ripley formation (Upper Cretaceous,) Pleasant Ridge Lake, 4 m. S. of Dumas, Mississippi, A. HARBISON Tr. Acad. Nat. Sci. Philad. **97** 1945 p. 86 pl. 5 f. 31–32.

†*Lyria pycnopleura* **sp. nov.** = *L. musicina* Heilprin, Dall, Wagner Free Inst. Sci. Trans. vol. 3 pt. 85 (part), not *Voluta musicina* Heilprin, t.c. 1 p. 109 pl. 15 f. 45 1887; *L. musicina* Heilprin, Dall, U.S. Nat. Mus. Bull. 90 p. 59 (part) pl. 9 f. 1, 4, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F** p. 404 pl. xlviii f. 1, ?.

†*Marginella* (*Volvarina*) *eobella* **sp. nov.** Tertiary, Florida, Eucheeanna–Knox Hill road 6·7 m. S. of Argyle, Walton Co., J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142H** 1947 p. 637 pl. lv f. 22; *M.* (*Serrata*) *vadosa* Shoal River, Walton Co. pp. 253, *390* pl. xlvi f. 24, 25; *M.* (*S.*) *vadosa ischna* **subsp. nov.** Shoal River, Walton Co. pp. 253, *391* pl. xlvi f. 26; *M.* (*S.*) *coloba* 1 m. below Bailey's Ferry, Chipola River, Calhoun Co. pp. 253, *392* pl. xlvi f. 27; *M.* (*S.*) *coloba conoispira* **subsp. nov.** with the sp. pp. 253, *392* pl. xlvi f. 28; *M.* (*S.*) *nanna* Alum Bluff, Liberty Co. pp. 253, *393* pl. xlvi f. 29; *M.* (*S.*) *crittea* Oak Grove, Yellow River, Okaloosa Co. pp. 253, *393* pl. xlvi f. 30; *M.* (*S.*) *eurystoma* Chipola River, Calhoun Co. pp. 253, *394* pl. xlvi f. 31; *M.* (*Volvarina*) *oryzoides* Chipola River, Calhoun Co. pp. 253, *394* pl. xlvii f. 31; *M.* (*Egouena*) *apalachee* Alum Bluff, Liberty Co. pp. 253, *395* pl. xlvii f. 5; *M.* (*Egouena*) *lipara* Chipola River, Calhoun Co. pp. 253, *396* pl. xlvii f. 9; *M.* (*E.*) *lipara lepta*, with the sp. pp. 253, *396* pl. xlvii f. 8; *M.* (*E.*) *capsa* Alum Bluff, Liberty Co. pp. 253, *397* pl. xlvii f. 10; *M. Egouena eleutheria* Alum Bluff, lower bed, Liberty Co. pp. 254, *397* pl. xlvii f. 16; *M.* (*E.*) *elutheria dasa* 1 m. below Bailey's Ferry, Chipola River, Calhoun Co. pp. 254,

398 pl. xlvii f. 17; *M.* (*Persicula, progravida* Gastropod Gully 5½ m. S.E. of Bainbridge, Decatur Co. pp. 254, *399* pl. xlvii f. 22; *M.* (*Persicula*), *majuscula* Oak Grove, Yellow River, Okaloosa Co. pp. 254, *399* pl. xlvii f. 24; *M.* (*Gibberula*) *chondra* Chipola River, Calhoun Co. pp. 254, *400* pl. xlvii f. 26; *M.* (*Gibberula*) *waltoniana* Shell Bluff, Shoal River, Walton Co. pp. 254, *401* pl. xlvii f. 27; **spp.** and **subsp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Mataxa valida* Nacatoch Sand, vicinity of Chatfield p. 365 pl.70 f. 1–3; *M. subteres* Nacatoch Sand, vicinity of Kaufman p. 366 pl. 70 f. 4, 5; **spp. nov.**; *M. valida multilira* **var. nov.** Nacatoch Sand 3½ m. N. of Corsicana p. 366 pl. 70 f. 6, 7; Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Medionapus* **gen. nov.** Pyropsidae, genotype *M. elongatus* **sp. nov.** Nacatoch Sand, Navarro Group, Upper Cretaceous vicinity of Corsicana, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 pp. 316, 317 pl. 60 f. 9–11.

Melo umbilicata Brod. eggcase and gonad, J. ALLAN & T. C. MIDDLETON **34**.

†*Mitra acteoglypha* Chipola River, Calhoun Co. pp. 254, *406* pl. xlviii f. 5; *M.* (*Pleioptygma*) *prodroma* Chipola River, Calhoun Co. pp. 254, *407* pl. xlviii f. 6, 7; *M.* (*Tiara*) *mitrodita* Chipola River, Calhoun Co. pp. 254, *408* pl. xlviii f. 10, 11; *M.* (*Tiara*) *desmia* Shell Bluff, Shoal River, Walton Co. pp. 254, *409* pl. xlviii f. 12; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**; *M. praevariegata* **sp. nov.** Pliocene, R. Nua, Malekula, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 78 pl. v f. 16, 17.

†*Mitricaulis* **gen. nov.** allied to *Mitra* and *Turris*, type *Mitricaulis incarum* **sp. nov.** marine Tertiary, Rio Pachitea, Capas Rojas, Peru, H. A. PILSBRY Bol. Mus. Hist. nat. "J. Prado" **10** 36–37 [1947] p. 42 pl. ii f. 13–18.

†*Napulus* **gen. nov.** Pyropsidae, genotype "The species from Coon Creek, Tennessee identified by Wade as *Perissolax whitfieldi* (Weller) p. 318 also *N. tuberculatus* **sp. nov.** Neylandsville marl, vicinity of Corsicana, Navarro Group, Upper Cretaceous, Texas, p. 319 pl. 60 f. 3–6, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Oliva venulata Lk. pl. 6 f. 2 (col.) albino var. pl. 7 f. 1 (col.), J. STEINBECK & E. F. RICKETTS **936**.

†*Oliva liodes waltoniana* **subsp. nov.** 6 m. W.N.W. of Mossyhead, Walton Co., Florida (Tertiary), J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F** pp. 253, *379* pl. xlvi f. 2, 3; *O. forelandensis* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 80 pl. v f. 21, 22.

Olivella undatella colour variation D. S. & E. W. GIFFORD **367**.

†*Olivella cotinados*, Calhoun Co. pp. 253, *382* pl. xlvi f. 6, 7; *O. oryzoides* Tenmile Creek, Calhoun Co. pp. 253, *382* pl. xlvi f. 8, 9; *O. cofacorys* Calhoun Co. pp. 253, *383* pl. xlvi f. 10, 11; *O. eleutheria* Liberty Co. pp. 253, *383* pl. xlvi f. 12, 13; *O. dasa* Walton Co. pp. 253, *384* pl. xlvi f. 15, 16, **spp. nov.** Tertiary Florida J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Paladmete poecilma* **sp. nov.** Ripley formation (Upper Cretaceous), Pleasant Ridge Lake, 4 m. S. of Dumas, Mississipi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 87 pl. 3 f. 17, 18; *P. caveola* **sp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 184 pl. 33 f. 33–36; *P. corbuliformis* Nacatoch Sand, vicinity of Kaufman p. 366 pl. 71 f. 9–11; *P. alta* Kemp Clay 2 m. N.N.W. of Deatsville p. 367 pl. 71 f. 12, 13; *P. inaequalis* Nacatoch Sand, vicinity of Corsicana p. 368 pl. 71 f. 14, 15; *P. elegans* Kemp Clay, Webberville p. 368 pl. 71 f. 16, 17; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas, Bull. Austin **4101** 1941.

Perplicaria clarki **sp. nov.** Venado Is. Panama, M. SMITH Nautilus Philad. **61** 2 1947 p. 55 pl. 2 f. 9.

Persicula dalli **sp. nov.** Bertioga, Santos, Brazil, F. L. DE MORRETOS Arq. Zool. S. Paulo **2** 1941 p. 252 pl. 1 f. 4–7.

†*Pyropsis lanhami* Kemp Clay, Navarro Group W. of Zuehl, Texas Upper Cretaceous), L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 315 pl. 59 f. 14–16.

Trigonostoma elegantula **sp. nov.** Pearl Islands, Panama, M. SMITH Nautilus Philad. **61** 2 1947 p. 54 pl. 2 f. 3.

†*Trigonostoma sabinetownensis* **sp. nov.** Sabinetown Bluff, Texas, Lower Eocene, R. J. LE BLANC Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 142 pl. 18 f. 1, 2.

†*Vexillum* (*Uromitra*) *climax* Calhoun Co. pp. 254, *410* pl. xlviii f. 14, 15; *V.* (*U.*) *climacoton* near Oak Grove, Yellow River, Okaloosa Co. pp. 254, *411* pl. xlviii f. 17, 18; *V.* (*U.*) *triptum* 5–6 m. W.N.W. of Mossyhead, Walton Co. pp. 254, *413* pl. xlviii f. 21–23; *V.* (*U.*) *ctenotum* Shell Bluff, Shoal River, Walton Co. pp. 254, *414* pl. xlviii f. 24–25; *V.* (*Uromitra*) *hamadryas* Oak Grove, Yellow River, Okaloosa Co. pp. 254, *415* pl. xlviii f. 27, 28; *V.* (*U.*) *cnestum* 1 m. below Bailey's Ferry, Chipola River, Calhoun Co. pp. 254, *416* pl. xlviii f. 29, 30; *V.* (*U.*) *mangilopse* 1 m. below Bailey's Ferry, Chipola River, Calhoun Co. pp. 254, *416* pl. xlviii f. 31, 32; *V.* (*U.*) *mikkulum* lower bed, Alum Bluff, Liberty Co. pp. 254, *417* pl. xlviii f. 33, 34; *V.* (*U.*) *amblipleura* 1 m. below Bailey's Ferry, Chipola River, Calhoun Co. pp. 254, *418* pl. xlviii f. 35; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Volutoderma* (*Longoconcha*) *dalli* **sp. nov.** = *V. texana* (Conrad) in part, Kemp Clay near Deatsville, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 359 pl. 70 f. 13, 14.

Xancus pyrum (L.) veliger stages, figs., K. CHIDAMBARAM & M. UNNY **191**; *X. pyrum* bionomics, D. W. DEVANESAN & P. T. CHACKO **271**.

†*Xancus dodonaius* **sp. nov.** Oak Grove, Yellow River, Okaloosa Co. (Tertiary), Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1944 **142G** pp. 438, *440* pl. xlix f. 2.

STENOGLOSSA.

(*b*) TOXOGLOSSA.

Toxoglossa, Venomous families: Turridae, Conidae, Terebridae, L. C. D. HERMITTE **423**.

CONACEA

†*Agladrillia agla* **sp. nov.** Tertiary, Florida, Eucheeanna–Knox Hill road, Walton Co. J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142H** 1947 p. 636 pl. lv f. 23; *A. aulakoessa* Calhoun Co. pp. 252, *310* pl. xl f. 2–4; *A. subvaricosa* Walton Co. pp. 252, *312* pl. xl f. 5, 6; *A. empera* Walton Co. pp. 252, *312* pl. xl f. 7, 8; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Amuletum* **gen. nov.** Turridae, genotype *Turricula menairyensis* Wade (U.S. Geol. Surv. Pr. Ppr. 137 p. 113 pl. 36 f. 8, 9 (1926)) p. 369; *A. boylei* Nacatoch Sand, N. edge of Corsicana p. 370 pl. 71 f. 3, 4; *A. curvocostatum* Neylandville marl 2½ m. N. of Corbet p. 370 pl. 71 f. 1, 2; *A. venustum* Nacatoch Sand, vicinity of Chatfield p. 371 pl. 71 f. 5, 6; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Amuletum wadei* **sp. nov.** Ripley formation (Upper Cretaceous), Pleasant Ridge Lake 4 m. S. of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 88 pl. 6 f. 41, 42.

†*Antiplanes macfarlandi* **sp. nov.** Lower Pleistocene, "Hilltop Quarry," San Pedro, California, S. S. BERRY Bull. Amer. Paleont. Ithaca **31** 127 1947 p. 8 (262) pl. 1 f. 3.

†*Awateria expalliata* p. 538 pl. 55 f. 2; *A. experta* p. 539 pl. 57 f. 8; **spp. nov.** Tertiary, Hokianga District, North Auckland, N.Z. **76** 4 1947.

†*Barthytoma hokianga* **sp. nov.** Tertiary, N. Auckland, N.Z., Hokianga District, C. R. LAWS Tr. Proc. Roy. Soc. N.Z. **76** 4 1947 p. 538 pl. 55 f. 5.

†*Bela nassoides* **sp. nov.** Shell Bluff (Tertiary), Shoal River, Weston Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F** pp. 253, *356* pl. xlii f. 22.

†*Beretra* **gen. nov.** Turridae, genotype *B. firma* **sp. nov.** Nacatoch Sand, N. edge of Corsicana p. 375 pl. 72, f. 13, 14; *B. contracta* Nacatoch Sand, vicinity of Chatfield p. 376 pl. 72, f. 17, 18; *B. striata* Kemp Clay 3½ m. N.N.W. of Bazette p. 376 pl. 72, f. 15, 16; *B. ornatula* Nacatoch Sand 4 m. N. of Corsicana p. 377 pl. 72, f. 9, 10; *B.* ? *elongata* Corsicana marl 1 3/10 m. N. of McQueeney p. 377 pl. 72, f. 11, 12; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Brachycythara dasa* **sp. nov.** 1 m. below Bailey's Ferry, Chipola River, Florida, Tertiary, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington **142F** 1937 pp. 253, *338* pl. xli f. 14, 15.

†*Carinodrillia cymatoides* **sp. nov.** Tertiary, Calhoun Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142F** Washington 1937 pp. 252, *309* pl. xl f. 1.

†*Clavatula panopla* Alum Bluff, Liberty Co. pp. 252, *301* pl. xxxix f. 15, 16; *C. eleutheria* Alum Bluff, Liberty Co. pp. 252, *301* pl. xxxix f. 17; *C. kalliglypta* Calhoun Co. pp. 252, *302* pl. xxxix f. 6; *C. apoia* Calhoun Co. pp. 252, *303* pl. xxxix f. 19; *C. polyploka* Calhoun Co. pp. 252, *303* pl. xxxix f. 23; *C. euparypha* Calhoun Co. pp. 252, *304* pl. xxxix f. 22; *C. anthera* Calhoun Co. pp. 252, *305* pl. xxxix f. 21; *C. proebenina* Calhoun Co. pp. 252, *305* pl. xxxix f. 20; *C. libertalis* Liberty Co. pp. 252, *306* pl. xxxix f. 13, 14; *C. habra* Calhoun Co. pp. 252, *307* pl. xxxix f. 10; *C. compsa* Calhoun Co. pp. 252, *307* pl. xxxix f. 7, 8; *C. elatocompsa* Calhoun Co. pp. 252, *308* pl. xxxix f. 11, 12; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F.**

Conus havanensis **sp. nov.** La Habana, C. G. AGUAYO & I. P. FARFANTE Rev. Soc. Malac. Habana **5** 1 1947 p. 11 text-fig. p. 12; *Conus*, venomous species, T. ABBOTT **13**; *C. gloria maris.* On the type example, figs., A. F. BRUUN **163**; *C.* poisonous, W. J. CLENCH & Y. KONDO **204**; *Conus* species having venomous bites, L. C. D. HERMITTE **423**; *C. cedonulli granadensis.* The specimen in Mus. Geneve figd., G. MERMOD **667**; *Conus* types described by Hwass, Bruguière, Lamarck, de Lessert, Kiener and Chenu in the Geneva Museum, G. MERMOD **667**; *C. tessellatus* Born. *C. planiliratus* Sowb. larval development, G. THORSON **1007**; *C. textile, C. geographus* poisonous Cones of Malaya, figs., M. W. F. TWEEDIE **1027.**

Conus dodona, Yellow River, Okaloosa Co. pp. 253, *359* pl. xliii f. 4; *C corrugatus* Yellow River, Okaloosa Co. pp. 253, *360* pl. xliii f. 9; *C. fusiformis* Grove Bridge, Okaloosa Co. pp. 253, *361* pl. xliii f. 10; *C. turbinopsis* Mossyhead, Walton Co. pp. 253, *361* pl. xliii f. 12; *C. waltonensis anodosus* **subsp. nov.** Walton Co. pp. 253, *362* pl. xliii f. 15; *C. submoniliferus* Walton Co. pp. 253, *363* pl. xliii f. 16; **spp.** and **subspp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**; *C.* (*Hermes*) *epiensis* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 86 pl. v f. 31, 32.

†*Cosmogoniophorina*, A. F. LEANZA **576.**

†*Crassispira calligona paraconsors* **susp. nov.** Calhoun Co. pp. 252, *299* pl. xxxix f. 3; *C. calligonoides* **sp. nov.** Walton Co. pp. 252, *300* pl. xxxix f. 4, 9; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**; †*C loxa* p. 633 pl. lxii f. 1; *C. laurentii* p. 634 pl. lxv f. 24; **sp. nov.** on road Eucheeanna–Knox Hill road, Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. **149H** 1947.

Crassispira perla **sp. nov.** Panama, Pearl Island, M. SMITH Nautilus Philad. **61** 2 1947 p. 53 pl. 2 f. 2.

†*Cryoturris daidalea* **sp. nov.** Chipola River, Calhoun Co., Florida, Tertiary, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington **142F** pp. 252, *331* pl. xli f. 24.

†"*Cythara*" *chariessa* Calhoun Co. pp. 253, *342* pl. xlii f. 28, 29; "*C.*" *barbadoides* Calhoun Co. pp. 253, *343* pl. xlii f. 30, 31; "*C.*" *basilissa* Walton Co. pp. 253, *344* pl. xlii f. 23, 24; "*C.*" *anthera* Calhoun Co. pp. 253, *344* pl. xlii f. 17, 18; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F.**

†*Dolichotoma turbida* Sol. fig., Oligocene, Holland, H. Krul **555**.

Drillia crenularis (Lk.) Larval development, G. Thorson **1007**.

†"*Drillia*" *haraldi* **sp. nov.** Tertiary, Eucheeanna–Knox Hill road, Walton Co., Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. **142H** 1947 p. 635 pl. xlii f. 2, 3; *D. prion* **sp. nov.** Calhoun Co. pp. 252, *315* pl. xl f. 29, 30; *D. prion paraprion* **subsp. nov.** Calhoun Co. pp. 252, *315* pl. xl f. 24, 25; *D. coryphodes* Calhoun Co. pp. 252, *316* pl. xl f. 26–28; *D. euryroma* Walton Co. pp. 252, *316* pl. xl f. 10; *D. microneta* Walton Co. pp. 252, *317* pl. xl f. 9, 21; *D. trimitrodita* Calhoun Co. pp. 252, *318* pl. xli f. 2, 3; *D. centrodes* Walton Co. pp. 252, *318* pl. xl f. 11, 12; *D. zosta* Walton Co. pp. 252, *319* pl. xl f. 13, 14; *D. trypanion* Walton Co. pp. 252, *320* pl. xl f. 15, 16; *D. pycnoklosta* Walton Co. pp. 252, *321* pl. xl f. 17, 18; *D. waltoniana* Walton Co. pp. 252, *321* pl. xl f. 19, 20; *D. pachycheila* Okaloosa Co. pp. 252, *322* pl. xl f. 22; **spp. nov.** Tertiary, Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Eumetadrillia dodona* Okaloosa Co. pp. 252, *313* pl. xl f. 31; *E. rabdotacona* Walton Co. pp. 252, *314* pl. xl f. 23, 27; **spp. nov.** Tertiary, Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Hemipleurotoma eileta* Walton Co. pp. 252, *290* pl. xxxviii f. 27, 28; *H. bitropis* Walton Co. pp. 252, *290* pl. xxxviii f. 29; **spp. nov.** Tertiary, Florida J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Hokianga* **gen. nov.** Daphnellinae Turridae—type *Hokianga nodulata* **sp. nov.** Tertiary, Hokianga District, North Auckland, C. R. Laws Tr. Proc. Roy. Soc. N.Z. **76** 4 1947 p. 540 pl. 55 f. 1.

†*Ithycythara defuniak* Walton Co. pp. 253, *333* pl. xli f. 31, 32; *I. compsacosta* Calhoun Co. pp. 253, *334* pl. xli f. 33, 34; *I.* ? *radinos* Calhoun Co. pp. 253, *335* pl. xli f. 12, 13; **spp. nov.** Tertiary, Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington **142F** 1937.

†*Fulgerca* **gen. nov.** Turridae, genotype *F. venusta* **sp. nov.** Neylandville marl, Navarro Group, Upper Cretaceous Texas, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941 p. 372 pl. 71 f. 7, 8.

†*Fusimilis* **gen. nov.** Turridae, genotype *F. robustus* **sp. nov.** Nacatoch Sand, Navarro Group, Upper Cretaceous vicinity of Kaufman, Texas, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941 p. 378 pl. 72 f. 21–23.

†*Fusiturricula paraservata* Calhoun Co. pp. 252, *291* pl. xxxviii f. 30, 31; *F.* ? *glaphura* Walton Co. pp. 252, *292* pl. xxxviii f. 32, 33; **spp. nov.** Tertiary, Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Glyphostoma peri-eilema* Calhoun Co. pp. 253, *348* pl. xlii f. 2; *G. tiarophoron* Alum Bluff, Liberty Co. pp. 253, *349* pl. xlii f. 3, 10; *G. ischnon* Calhoun Co. pp. 253, *349* pl. xlii f. 4; *G. typhon* Calhoun Co. pp. 253, *350* pl. xiii f. 11, 12; *G. belonoides* Calhoun Co. pp. 253, *351* pl. xlii f. 8; *G. nannophues* Calhoun Co. pp. 253, *352* pl. xlii f. 5, 6; *G. chipolanum* Calhoun Co. pp. 253, *353* pl. xlii f. 21; *G. xeston* Walton Co. pp. 253, *354* pl. xlii f. 19, 20; **spp. nov.** Tertiary, Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Knefastia glypta* Calhoun Co. pp. 252, *293* pl. xxxviii f. 34; *K.* ? *waltonia* Walton Co. pp. 252, *294* pl. xxxviii f. 35–37; **spp. nov.** Tertiary, Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Kurtziella prionota* Walton Co. pp. 252, *326* pl. xli f. 10, 11; *K. thektapleura* Okaloosa Co. pp. 252, *327* pl. xli f. 1; *K. stephanophora* Walton Co. pp. 252, *328* pl. xli f. 8, 9; **spp. nov.** Tertiary, Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Lioglyphostoma tyro* Calhoun Co. pp. 253, *345* pl. xlii f. 7; *L. rusum* Calhoun Co. pp. 253, *346* pl. xlii f. 1; **spp. nov.** Tertiary, Florida, J. Gardner Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Lutema* **gen. nov.** Turridae, genotype *L. simpsonensis* **sp. nov.** Nacatoch Sand, road to Simpson's Hill 2 m. S.W. of Kaufman p. 373 pl. 71 f. 22, 23; *L. hubbardi* Nacatoch Sand, N. edge of Corsicana p. 373 pl. 71 f. 24, 25; *L. munda* Nacatoch Sand, vicinity of Kaufman p. 374 pl. 71 f. 18, 19;

L. geniculata Nacatoch Sand, vicinity of Kaufman p. 374 pl. 71 f. 20, 21; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†"*Mangelia*" *asteria* Calhoun Co. pp. 253, *336* pl. xli f. 29, 30; "*M.*" *lissa* Calhoun Co. pp. 253, *337* pl. xli f. 27, 28; "*M.*" *phrixae* Walton Co. pp. 253, *337* pl. xli f. 25, 26; "*M.*" *klimakota* Alum Bluffs, Liberty Co. pp. 253, *339* pl. xli f. 16, 17; "*M.*" *anthetika* Calhoun Co. pp. 252, *325* pl. xli f. 38, 39; "*M.*" *teirata* Okaloosa Co. pp. 252, *330* pl. xli f. 22, 23; "*M*" *pyrgota* Calhoun Co. pp. 252, *332* pl. xli f. 5, 6; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington **142F** 1937.

†*Manidrillia fimbriata* **sp. nov.** Tertiary, Hokianga District, North Auckland, N.Z., C. R. LAWS Tr. Proc. Roy. Soc. N.Z. **76** 4 1947 p. 538 pl. 55 f. 6.

†*Microdrillia hebetika* **sp. nov.** 1 m. below Bailey's Ferry, Calhoun Co., Florida, Tertiary, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **149F** pp. 253, *356* pl. xlii f. 15, 16.

†*Orthosurcula persa pleasanthillensis* **var. nov.** dirt road leading west from Louisiana Highway 404, just E. of bridge over Rocks Creek, Natchitoches Parish, Louisiana, R. J. LE BLANC Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 146 pl. 18 f. 13–15, 18.

†*Polystira albidoides* Calhoun Co. pp. 252, *287* pl. xxxviii f. 24; *P.* (*Pleuroliria*) *tenagos* Walton Co. pp. 252, *288* pl. xxxviii f. 25, 16; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Puha pusula* **sp. nov.** Tertiary, Hokianga District, North Auckland, N.Z., C. R. LAWS Tr. Proc. Roy. Soc. N.Z. **76** 4 1947 p. 539 pl. 55 f. 7.

†*Remnita* **gen. nov.** Turridae, genotype *Turricula biacuminata* Wade (U.S. Geol. Surv. Pr. Ppr. 137 p. 112 pl. 36 f. 13, 14) Coon Creek, McNairy Co., Tennessee, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 379 pl. 72 f. 19, 20.

†*Saccharoturris centrodes* **sp. nov.** Chipola River, Calhoun Co., Florida, Tertiary, J. GARDNER Pr. Pprs. U.S. Geol. Surv. Washington **142F** 1937 pp. 252, *331* pl. xli f. 7.

Terebra variegata Gray 1834 pl. 5 f. 1 (col.), J. STEINBECK & E. F. RICKETTS **936**.

†*Terebra* (*Strioterebrum*) *psesta* **sp. nov.** (Tertiary) Eucheeanna–Knox Hill road 6·7 m. S. of Argyle, Walton Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142H** 1947 p. 633 pl. lii f. 2 33, 34; *Terebra* (*Paraterebra*) *odopola* = *T. inaequalis* (Sow.) Dall, Wagner Free Inst. Sci. Tr. 3 pt. 6 p. 1576 not *T. inaequalis* Sow. pp. 252, *280* pl. xxxviii f. 2; *T.* (*Strioterebrum*) *pupiformis* Walton Co. pp. 252, *280* pl. xxxviii f. 3; *T.* (*Strioterebrum*) *waltonensis* Walton Co. pp. 252, *282* pl. xxxviii f. 8–10; *T.* (*Strioterebrum*) *eskata* Walton Co., Florida, pp. 252, *283* pl. xxxviii f. 13; *T.* (*Strioterebrum*?) *rabdoti* Walton Co. pp. 252, *284* pl. xxxviii f. 14; *T.* (*Strioterebrum*) *rapta* Walton Co. pp. 252, *285* pl. xxxviii f. 18, 19; *T. aulakoessa* Yellow River, Okaloosa Co. pp. 252, *287* pl. xxxviii f. 21, 22; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**.

†*Turris rockscreekensis* **sp. nov.** along road leading from Louisiana Highway 404 east of bridge over Rocks Creek, Nalchitoches Parish, Louisiana, Logansport formation, Upper Midway Group, Lower Eocene, R. J. LE BLANC Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 142 pl. 18 f. 3–6.

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Opisthobranchiata—studies on the egg masses and the larval distribution, G. THORSON **1007**.

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†*Abderospira funiakensis* **sp. nov.** Tertiary 3½ m. S.W. of De Funiak Springs, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F** pp. 252, *274* pl. xxxvii f. 38.

†*Acera desioi* **sp. nov.** Paleogene, Fezzan, L. NEGRI Miss. Sci. R. Accad. Ital. a Cufra (1931—IX) Roma **3** 1934 p. 166 pl. xiv f. 8a–c.

Acteocina anomala **sp. nov.** near shore of Salton Sea, Imperial Co., California, G. WILLETT Bull. S. Calif. Acad. Sci. **44** 1 1945 p. 29.

†*Acteocina sphalera* **sp. nov.** Shoal River, Walton Co. pp. 251, *262* pl. xxxvii f. 12; *A. incidula curtoides* **subsp. nov.** Calhoun Co. pp. 251, *263* pl. xxxvii f. 14; *A. incisula kolos* **subsp. nov.** Calhoun Co. pp. 251, *263* pl. xxxvii f. 15; *A. rusa* **sp. nov.** Walton Co. pp. 251, *264* pl. xxxvii f. 17; Tertiary fossils, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142F** 1937.

†*Acteon korphys* **sp. nov.** Tertiary, Calhoun Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142F** 1937 pp. 251, *259* pl. xxxvii f. 6, 7.

†*Actaeonella pecosensis* **sp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947 p. 110 pl. 67 f. 2, 5, 6, 8–9.

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†*Acteon* ? *throckmortoni* Neylandville marl 2½ m. N. of Corbet p. 380 pl. 72 f. 5, 6; *A.* ? *nitidus* Kemp Clay, near Deatsville p. 380 pl. 72 f. 7, 8; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Akera constricta* **sp. nov.** Nacatoch Sand, vicinity of Chatfield, Texas, L. W. STEPHENSON Univ. Texas, Bull. Austin **411** 1941 p. 393 pl. 74 f. 1–3.

Autonsella **nom. nov.** pro *Autonoe* Guppy 1868 non Leach 1852 Genotype '[Apo (Mono) typus]'; *Autonoe riparia* Guppy, W. WENZ Archiv f. Moll. 76 1/3 1947 p. 36.

†*Avellana chispensis* p. 112 pl. 63 f. 11, 12; *A. hilli* p. 112 pl. 63 f. 7, 8; **spp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947.

†*Bulla striata waltonensis* **subsp. nov.** 5 m. W. of Mossyhead, Walton Co., Florida, Tertiary, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F** pp. 252, 272 pl. xxxvii f. 34, 35; *Bulla loevissima striata* **var. nov.** Paleogene, Fezzan, L. NEGRI Miss. Sci. R. Accad. Ital. a Cufra (1931—IX), Roma **3** 1934 p. 166 pl. xiv f. 12a–b.

†*Caryocorbula mississippiana* p. 179 pl. 32 f. 11–13; *C. morsei* p. 179 pl. 32 f. 14–16; **spp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947.

†*Cylichna anthera* **sp. nov.** Shoal River, Walton Co., Florida, Tertiary, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F** pp. 252, *271* pl. xxxvii f. 33; *Cylichna incisa* **sp. nov.** Neylandville marl 2½ m. N. of Corbet, Texas, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin 4101 1941 p. 395 pl. 74 f. 7, 8.

†*Ellipsoscapha* **gen. nov.** Scaphandridae, genotype *Cylichna striatella* Shumard Boston Soc. N. Hist. Proc. 5 p. 194 (1861) Cretaceous, Ripley Group, Navarro Co., Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 pp. 391, 392 pl. 73 f. 29, 30.

Euactaeonina **nom. nov.** pro *Orthostoma* Desh. 1842 non Ehrenb. 1831, *Actaeonina* Orb. 1850 part non 1850 prior. Genotype *Colostracon* (*E.*) *dormoisiarum* Orb. '[Actaeonina]' = *acutum* (Orb.) '[Actaenonina].' W. WENZ Archiv f. Moll. 76 1/3 1947 p. 36.

†*Haminea* ? *simpsonensis* **sp. nov.** Nacatoch Sand, Navarro Group, Upper Cretaceous field 2 m. S.W. of Kaufman, Texas, L. W. STEPHENSON Univ. Bull. Austin **4101** 1941 p. 394 pl. 74 f. 9, 10.

†*Nonacteonina* **gen. nov.** Acteonidae, genotype *N. graphoides* **sp. nov.** Nacatoch Sand, vicinity of Chatfield pp. 382, 383 pl. 73 f. 24, 25; *N. deflexa* Nacatoch Sand 4 m. N. of Corsicana p. 383 pl. 73 f. 26, 27; *N. tensa* Nacatoch Sand 4 m. N. of Corsicana p. 384 pl. 73 f. 22, 23; *N.* ? *triticea* Neylandville marl 2½ m. N. of Corbet p. 384 pl. 73 f. 20, 21; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Philine californica **sp. nov.** 50 fms. off Redonda, California, G. WILLETT Bull. S. Calif. Acad. Sci. **43** 2 1944 p. 72 pl. 14 f. 4.

†*Protornatellina* **gen. nov.** [Tornatellinidae], genotype *Tornatellina isoclina* White, Upper Cretaceous, N. America, W. WENZ Archiv f. Moll. 76 1/3 1947 p. 36.

Pseudocaelatura **nom. nov.** pro *Ariocaelatura* Thiele 1931 non Germain 1921, genotype '[Apotypus]'; *Pachystyla scalpa* Martens, W. WENZ Archiv f. Moll. 76 1/3 1947 p. 36.

†*Ringicula boyntoni* Choctawhatchee River, Washington Co. pp. 252, *275* pl. xxxvii f. 40, 41; *R. stiphera* Alaqua, Walton Co. pp. 252, *276* pl. xxxvii f. 43, 44; **spp. nov.** Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. Washington 1937 **142F**: *Ringicula culbersoni* Kemp Clay near Deatsville p. 388 pl. 73 f. 1, 2; *R. anfractolineata* Kemp Clay, Webberville p. 389 pl. 73 f. 6, 7; *R. sufflata* Kemp Clay 3 m. S. 30° W. of Threall p. 389 pl. 73 f. 8, 9; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Solidula solidulus L. larval development, G. THORSON **1007**.

†*Suleularia prosulcata* **sp. nov.** Tertiary, Shell Bluff, Shoal River, Walton Co., Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142F** 1937 pp. 251, *265* pl. xxxvii f. 19.

†*Tormatellaea scatesi* Nacatoch Sand, vicinity of Kaufman p. 385 pl. 73 f. 16, 17; *T. grandis* Kemp Clay near Deatsville p. 386 pl. 73 f. 18, 19; **spp. nov.** *T. cretacea hebes* Neylandville marl 2½ m. N. of Corbet p. 386 pl. 73 f. 12, 13; *T. cretacea appressa* Nacatoch Sand, road 5 m. S.S.W. of Corsicana p. 386 pl. 73 f. 14, 15; **var. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Trochactaeon cumminsi* **sp. nov.** p. 111 pl. 63 f. 3–6, 13; *T. parous* p. 112 pl. 63 f. 1, 2; **spp. nov.** Comanche (Lower Cretaceous), U.S.A., T. W. STANTON Prof. Pprs. U.S. Geol. Surv. **211** 1947.

†*Trostella sublinearis* p. 381 pl. 72 f. 1, 2; *T.* ? *brevispira* p. 382 pl. 72 f. 3, 4; **spp. nov.** Nacatoch Sand, N. edge of Corsicana, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Volvula oxytata dodona* **subsp. nov.** Yellow River, Okaloosa Co. pp. 251, *267* pl. xxxvii, f. 25; *V. phoinicoides* **sp. nov.** Shoal River, Walton Co. pp. 251, *268* pl. xxxvii f. 26; Tertiary, Florida, J. GARDNER Prof. Pprs. U.S. Geol. Surv. **142F** Washington 1937.

Volvulella tenuissima **sp. nov.** 75 fms. Redondo, California, G. WILLETT Bull. S. Calif. Acad. Sci. **43** 2 1944 p. 71 pl. 14 f. 1.

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†*Conularia truemani* **sp. nov.** Drummuck Group (Ashgillian), Lady Burn, Girvan, J. L. BEGG Trans. Geol. Soc. Glasgow **21** 1 1947 p. 37 pl. iii f. 4, 5.

†*Pseudoconularia curricae* **sp. nov.** Drummuck Group (Ashgillian), Lady Burn, Girvan, J. L. BEGG Trans. Geol. Soc. Glasgow **21** 1 1947 p. 39 pl. iii f. 6.

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†*Auricula actaeoniformis* **sp. nov.** Pliocene, R. Nua, Malekula, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 91 pl. v f. 40, 41.

Cassidulta **nom. nov.** for *Cassidulella* Thiele Hand. ii 1004, non Strand Entom., E. STRAND Folia Zool. Hydrob. Riga **11** 1942 p. 387.

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†*Galba truncatula perneri* **subsp. nov.** Czechoslovakia, J. Petrbok Rozpr. České. Akad. Praha (2) **46** 5 1937 p. 14 f. 1, 2.

†*Idahoella* **nom. nov.** for *Angulorbis* Yen (non Wenz) with genotype *Angulorbis multicarinatus* Yen Archiv f. Mollusk. **76** 4/6 1947 p. 191.

†*Liangulorbis* **gen. nov.** [Planorbidae], genotype *Planorbis calculus* Sandberger Lias-Purbeck, W. Wenz Archiv f. Moll. **76** 1/3 1947 p. 36.

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†*Zonites* (*Aegopis*) *stefaninii* **sp. nov.** Pontian, Casa Bortolon, Cornuda, W. WENZ Mem. Ist. Geol. Univ. Padova **14** (1942—XX) 1946 p. 43.

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Levantina (*Gyrostomella*) *gyrostoma* vars. *gyrostoma* (Fér.), *quedenfeldti* Kob. *quedenfeldti* Marts. and *L.* (*G.*) *leachi* (Fer.) variation and anatomy, figs., K. L. PFEIFFER **749**.

Marmorana serpentina (Fér.), *M. s. hospitans* (Rosm.), *M. s. isilensi* (Mab.), *M. s. isarae* (Pral.), *M. s. jaspidea* (Moq.-Tan.) and *M. carae* (Cant.) of Sardinia, figs., K. L. PFEIFFER **748**.

Monacha incarnata biological observations, E. FROMMING **349**.

Monadenia fidelis trinidadensis **subsp. nov.** Little River Rock, 3 m. S. of Trinidad, Humboldt Co. Calif., R. R. TALMADGE Nautilus, Philad. **60** 3 1947 p. 93.

Oreohelix howardi **sp. nov.** Mill Creek Canyon, Salt Lake City, Utah, D. T. JONES Proc. Utah Acad. Sci. **21** 1944 pp. 5, 6 figs. p. 66.

Perforatella (*Monochoides*) *ventouxiana* **sp. nov.** Mont Ventoux (Vaucluse) p. 56, figs. 1, 2, 3 ; *P.* (*M.*) *memnonis* (Sturany) p. 58 f. 4, L. FORCART Verb. naturf. Ges. Basel **57** 1946.

Planispira (*Cristigibba*) *sarasinorum* **sp. nov.** Celebes, L. FORCART Verb. naturf. Ges. Basel **59** 1948 p. 45 pl. 1 f. 1a-d.

†*Pleurodonta* (*Dentellaria*) *bernardi* **sp. nov.** Miocene Bowden, Jamaica, D. KIMBALL Nautilus Philad. **61** 2 1947 p. 37 pl. 2 f. 10.

Polymita Monograph of the genus and anatomical study of spp. and subspp. C. DE LA TORRE and A. B. MORENO **1016**.

Tachea austriaca Mühlfeldt 1833 = *vindobonensis* Pfeiffer 1828 figs., J. PETRBOK **747** ; *Tachea nemoralis, hortensis* Cecky fossil & recent, figs., J. PETRBOK **747**.

Tyrrheniberus ridens (Martens), *T. sardonius* (Martens), *T. villicus* (Paul.) of Sardinia, figs., K. L. PFEIFFER **748**.

Zachrysea bayamensis, L. H. RIVERO **820**.

Zachrysia guanensis embryology, L. H. RIVERO **819**.

STREPTAXACEA

Hypselactemon **subgen. nov.** of *Rectartemon* H. B. Baker 1925 [Sub] Genotype *Streptaxis alveus* Dunker [Streptaxidae] W. WENZ Archiv f. Moll **76** 1/3 1947 p. 36.

Paryphata spedeni lateumbilicata Billow Mts., near Lake Monowai **subsp.**

nov. p. 105 figs. A7–8 ; *P. unicolorata johnstoni* p. 107, pl. 9, f. 3, 4 W. side of Chasm Creek towards junction with the Mokihinui River at 100-500 feet ; *P. superba prouseorum* p. 109, between Kahurangi Point and Rocks Point 2-3 m. inland at 1500-2000 feet ; *P. s. richardsoni* p. 110 f. A3 Perry's Pass, 2 m. from Blue Duck Creek Hut, Gouland Downs West Nelson ; *P. s. harveyi* p. 110, pl. 9, f. 5, 6, text fig. A1, Gouland Downs—Heaphy Track probably in Buller Co. near the Buller boundary ; *P. gilliesi aurea* p. 113, pl. 10, f. 7, 8, Manzarakau, 600 feet North of Paturau River, West Nelson in small areas of coastal forest ; *P. traversi florida* p. 120, pl. 10, f. 3, 4, Forest Reserve, Muhunoa Bay, foothills towards Ohau Gorge, 400-500 feet ; *P. t. otakia* p. 121, pl. 10, f. 5, 6, Rahui Road, 200 feet, Otaki ; *P. t. koputaroa* p. 136 Horowhenua Plain 1½ m. approx. N.N.E. of Koputaroa Railway Sta. **subspp. nov.** New Zealand, A. W. B. POWELL Rec. Auckland Inst. Mus. **3** 2 1946.

Paryphanta watti **sp. nov.** p. 101, pl. 9, f. 2, text fig., A5 Unuwhao 900 feet near track between Spirits Bay and Tom Bowling Bay ; *P. spedeni lateumbilicata* **subsp. nov.** Billow Mts. at 3,000 feet near S.-W. shore of Lake Monowai, Otago p. 105, text-figs. A7-8. *P. unicolorata johnstoni* **subsp. nov.** p. 107, pl. 9, f. 3, 4 West side of Chasm Creek towards junction with the Mokihinui River at 100-500 feet ; *P. superba prouseorum* **subsp. nov.** p. 109 between Kahurangi Point and Rocks Point 2-3 miles inland at 1,500-2,000 feet ; *P. superba richardsoni* **subsp. nov.** Perry's Pass 2 miles from Blue Duck Creek Hut, Jouland Downs, West Nelson p. 110, text figs. A3 ; *P. superba harveyi* **subsp. nov.** = *P. mouatae* (pars) Powell 1936 Gouland Downs, p. 110 pl. 9, f. 5, 6, text fig. A1 ; *P. gilliesi aureu* **subsp. nov.** Mangarakau 600 feet N. of Paturau R., West Nelson p. 113, pl. 10, f. 7, 8 ; *P. traversi florida* **sub.sp. nov.** p. 120 pl. 10, f. 3, 4 Forest Reserve, Mukunoa East, foothills towards Ohau Gorge 400-500 feet ; *P. traversi otakia* **subsp. nov.** Rakui Road, 200 ft. Otakia near Te Horo 300-400 feet, p. 121, pl. 10, f. 5, 6 ; *P. traversi koputaroa* **subsp. nov.** p. 136, Horowhenua Plain 1½ m. N.N.E. of Koputaroa Railway Station A. W. B. POWELL Rec. Auck. Hist. Mus. **3** 2 1946.

Paryphantidae list of the New Zealand members of the family genera *Phytida, Paryphanta, Wainaia, Schizoglossa, Delos,* A. W. B. POWELL **774** ; *Powelliphanta* O'Connor 1945 subgenus of Paryphanta t.o.d. *Helix hockstetteri* Pfeiffer. This subgen. contains all the N.Z. Paryphata except *busbyi* and *Watti*, A. W. B. POWELL **774.**

Rhytida meesoni perampla **subsp. nov.** p. 127 text figs. D7–9, Anatoki Forks, West Nelson ; *R. oconnori* **sp. nov.** p. 130, pl. 9, f. 10, text figs. D12–14 Panipana Creek subfossil with Moa bones ; *Rhytida duplicata vivens* **subsp. nov.** p. 130, text fig. D17. Unuwhao, North Auckland, A. W. B. POWELL Rec. Buckland Inst. Mus. **3** 2 1946.

Sinoennea perakensis (G-A and Nev.) fig., M. W. F. TWEEDIE **1026.**

Wainuia urnula nasuta **subsp. nov.** p. 123, pl. 9, f. 9, text fig. B.11-14, Mount Maude 2,000 ft. D'Urville Island Cook Strait ; *W. fallai* **sp. nov.** p. 124, pl. 9, f. 7, 8, text fig. B.5-7, C.5, Monkeyface, Kaikoura, New Zealand, A. W. B. POWELL Rec. Auckland Inst. Mus. **3** 7 1946.

SCAPHOPODA

†*Cadulus* (*Polyschides*) *lobion* 1 m. below Bailey's Ferry Chipola R., Calhoun Co., pp. 497, *628* pl. lxii, f. 21 ; *C.* (*Gadila*) *Voloulus* 1 m. below Bailey's Ferry, pp. 497, *629* pl. lxii, f. 22 ; *C.* (*Gadila*) *spiniformis* ½ m. below Shell Bluff, Shoal River, Walton Co., pp. 497, *630* pl. lxii, f. 19 **spp. nov.** Tertiary Florida, J. GARDNER Prof. Mus. U.S. Geol. Serv. Washington 1947 **142H** *Cadulus coonensis* **sp. nov.** Coon Creek tongue of Ripley formation Tennessee Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull., Austin **4101** 1941 p. 256 pp. 46 f. 23.

†*Caecum chipolanum* 1 mile below Bailey's Ferry, Chipola R., Calhoun Co., f. 13 ; *C. pararegulare* ¾ mile W. of Shell Bluff, Shoal R., Walton Co., f. 12 ; **spp. nov.** Tertiary Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. Washington 1947 **142H** pp. 496, *583* pl. lv.

Dentalium (*Antilis*) *chipolanum* p. 625 pl. lxii, f. 18, 18a McClelland Farm 1 m. below Bailey's Ferry, Calhoun Co., Fla.; *D.* (*A.*) *diopon* p. 262, pl. lxii f. 23, 23a, 6 m. N.N.W. of Mougheai, Walton Co., Fla. **spp. nov.** Tertiary Florida, J. GARDNER Prof. Ppr. U.S. Geol. Surv. **142H** 1947.

†*Dentalium pagellai* **sp. nov.** Paleogena Fezzan, L. NEGRI Miss. Sci. R. Accad. Ital. a Cufra (1931-ix) Roma **3** 1934 p. 172 pl. xiv f. 15-17; *Dentalium niceferoi* **sp. nov.** Barremian, San Gil, Dept. of Santander Colombia, J. ROYO Y GOMEZ Serv. Geol. Nac. Colombia **6** 1945 p. 460 pl. lxx f. 1; *Dentalium vaughani* p. 252 pl. 46 f. 15; *D. navarroi* p. 253 pl. 46 f. 16, 17; **spp. nov.** Navarro Group, Upper Cretaceous Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Didianema* ? *waltonia* **sp. nov.** Dave Adams Mill Greek, Walton Co., Fla. (Tertiary), J. GARDNER Prof. Pprs. U.S. Geol. Serv. **142H** 1947 p. 613 pl. lx f. 7.

Pseudantalis Monts. type here designated as *Dentalium fissura* Lk. [H.A.] PILSBRY Nautilus Philad. **61** 1 1947 p. 31.

Pelecypoda or Lamellibranchia

Lamellibranchs producing pearls p. 5, J. BOHNAN **136**.

Lamellibranchiata Hormones, B. HANSTROM **400**; Lamellibranchiata, B. DE HAAN **391**; Lamellibranchiata shell development and structure, L. LISON **599**; Lamellibranchiata Food and digestive processes, K. MANSOAR **632**.

NUCULACEA

†*Ctenodonta* (*Ctenodonta*) *intorta* "**sp. nov.**" Middle Ludlow, G. DAHMER Senckenb. Frankfurt **27** 2 1946 p. 80.

†*Cuspidaria* (*Neaerea*) *noszkyi* **sp. nov.** Miocene Hungary, A. JASKO Mag. K. Földt Nat. Esk. Pest. **70** 10/12 1940 p. 372 pl. ix f. 12.

Leda schuberti **sp. nov.** Paranaguá State of Paraná, Brazil, F. L. DE MORRETES Arq. Zool. S. Paulo **2** 1941 p. 253 pl. ii f. 8-12.

†*Leda millosevicki* p. 67, pl. ix, f. 2, 3; **sp. nov.** Neocretaceous Tripolitania, C. MAXIA Boll. Soc. geol. ital. **60** 1 1941; *Leda eshayesiana* Duck Oligocenes Holland fig., H. KRUL **555**.

†*Leionucula olivensis* **sp. nov.** Aptian, Cretaceous Lebanon Republic, H. E. VOKES Bull. Amer. Mus. Nat. Hist. **87** 3 1946 p. 148 pl. 1 f. 5-9; *Leionucula* W. Quenstedt 1930 Geol. Paleont. Abhandl. Jena N.S. vol. 18 (1) p. 112 t.o.d. *Nucula albensis* Orb. Cretaceous (Albion) Dienville, France, VOKES **1051**.

Nucula nucleus L. *N. sulcata* Brown mode of locomotion figs., E. STOLL **948**.

†*Nucula* (*Eunucula*) *microsperma* **sp. nov.** Pleistocene, California, S. S. BERRY Bull. Amer. Paleont. Ithaca **31** 127 1947 p. 4 (258) pl. 2 f. 1-4; *Nucula haesendoncki antwerpiensis* **forma nov.** Miocene at Houthaelen, Belgium, M. GLIBERT Mem. Mus. Hist. nat. Belge **103** 1945 p. 25; *Nucula tippakensis* **sp. nov.** Ripley formation (Upper Cretaceous) Pleasant Ridge Lake 4 m. south of Damas, Mississippi, A. HARBISON Proc. Acad. Nat. Sci. Philad. **97** 1945 p. 77 pl. 2 f. 10-11; *Nucula desioi* p. 113 f. 4; *N. rossii* p. 114 f. 6, **spp. nov.**; *N. desioi inflata* **var. nov.** p. 114, f. 5: Maestrichtian Tripolitania L. INCITTI Rev. ital. Paleont. Milan **53** 3 1947; *Nucula rossii elongata* **var. nov.** p. 156 f. 4; *N. elegantissima* p. 157 f. 5; *N. aurata* p. 157 f. 6; **spp. nov.** Maestrichtian Tripoli, L. MAITTI Rev. ital. Paleont. Milan **53** 4 1947; *Nucula turgida* pp. 33, *42* pl. i, f. 10, 11; Aptian; *N. pongerisis* pp. 33, *43* pl. i f. 12, 13, E. F. RICHARDS Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947; *Nucula ciboloensis* Kemp Clay W. of Zuehl p. 72 pl. 8 f. 10; *N. chatfieldensis*, vicinity of Chatfield Corvicana Marl p. 73 pl. 8 f. 11, 12; *N. waltonensis* Nacatoch Sand 3 m. N.E. of Corsicana p. 74 pl. 8, f. 15, 16; *N. nacatochana* Nacatoch Sand, vicinity of Chatfield p. 74 pl. 8 f. 17, 18, **spp. nov.** Navarro group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941; *Nucula nulla* **sp. nov.** Avent No. 1, Well, Grenada, Co. Missouri, Upper Cretaceous, L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 170 pl. 31 f. 9, 10.

Nuclula err. pro. *Nucula*, J. O'K. BARRY Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 44

Nuculana burchi **sp. nov.** 50 fms. Redondo, California, G. WILLETT Bull. S. Calif. Acad. Sci. **43** 2 1944 p. 71 pl. 14 f. 3.

†*Nuculana fiski* **sp. nov.** Rocks Creek, Natchitoches Parish, Louisiana p. 45 pl. 2 f. 5 ; *N. aldrichiana sabinetownensis* **var. nov.** Sabinetown, Texas p. 47 pl. 2 f. 11-13, Lower Eocene Molluscas J. O. K. BARRY Geol. Bull. Dept. Conservation Geol. Surv., Louisiana **23** 1942 ; *Nuculana besairiei* **sp. nov.** Cretaceous Menabe, Madagascar M. COLLIGNON Ann. Geol. Serves Mines Madagascar **10** 1939 p. 70 pl. 1 f. 19 ; *Nuculana corsicana* Nacatoch Sand, N. edge of Corsicana p. 75 pl. 8 f. 19, 20 ; *N. coloradoensis* Kemp Clay, Webberville p. 76 pl. 8 f. 21 ; *N. travisana* Kemp Clay, Webberville p. 76 pl. 8 f. 22 ; *N. houstoni* Nacatoch Sand, vicinity of Kaufman p. 77 pl. 8 f. 23 ; *N. corbetensis* Neylandville Marl, 2½ m. N. of Corbet, **spp. nov.** Navarro Group of Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Palaeoneilo type *Nuculites constricta* Conrad 1842 J. Acad. Sci. Philad. **8** 249 pls. 15 f. 8 t.s.d. Hall 1885 Nat. Hist. N.Y. (Palaeont.) **5** 1 Lamell. 2 xxvii, L. R. COX **237.**

†*Palaeoneilo* (*Koenenia*) *junneri* **sp. nov.** Upper Palaeozoic Gold Coast, L. R. COX Ann. Mag. Nat. Hist. (11) **13** 1946 p. 608 pl. xii f. 5-7 ; *Palaeaneilo* Hall 1869 suspension of Règles in favour of *Palaeoneilo*, L. R. COX **237.**

†*Palaeoneilo* J. Hall & R. P. Whitfield, 23rd Ann. Rep. N.Y. State Cab. 241, 1873 is proposed should be used in place of *Palaeaneilo* Hall 1869 and the Règles be suspended to effect this substitution, L. R. COX **237.**

†*Palaeonucula* W. Quenstedt 1930 Geol. Palaeont. Abhandl. Jena N.S. vol. 18 No. 1 p. 112, t.o.d. *Nucula hammeri* Defrance Jurassic Europe, VOKES **1051.**

†*Solyma gardnerae* p. 225 pl. 43 f. 6, 7 ; *S.* ? *parva* p. 226 pl. 43 f. 18, 19, **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Yoldia glaberrima taxandrica* **forma. nov.** Miocene Houthalien, Belgium, M. GLIBERT Mem. Mus. Hist. nat. Belge **103** 1945 p. 34.

ARCACEA

†*Acar harringtoni* **sp. nov.** Tertiary, S. of Hokianga Harbour, North Auckland, C. R. LAWS Tr. Proc. Roy. Soc. N.Z. **76** 4 1947 p. 541 pl. 55 f. 4, 9.

Andara trapezia on tidal flats, J. ALLAN **31.**

†*Anadara* (*Anadara*) *topangaensis* p. 53 pl. 10 f. 10, 13, 14 uppermost part of Lower Conglomerate member of Topanga formation (Miocene) Santa Monica Mountains, Los Angeles Co. California ; *A.* (*A.*) *carrizoensis* p. 56 pl. 5 f. 1, 4, 10, Imperial formation (Pliocene) S. slope of Carrizo Mountain, N.E. of mouth of Alverson Canyon, Imperial Co., California ; **spp. nov.** P. W. REINHART Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **47** 1943.

†*Arca* (*Anadara*) *subtjidamarensis* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 31 pl. ii f. 10–12 ; *Arca* (*Arca*) *hawleyi* **sp. nov.** Eocene, Nojoqui Creek, Santa Barbara Co., California, P. W. REINHART Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **47** 1943 p. 21 pl. 2 f. 19–22 ; *Arca kneckteli* pp. 33, *46* pl. iv f. 5, 6 ; *A. megumbona* pp. 33, *46* pl. iv f. 10, 11 ; **spp. nov.** Mesozoic, Peruvian Andes, E. F. RICHARDS Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 ; *Arca transversa* from the Pleistocene, Maryland, U.S.A., containing a pearl, figs., R. W. BROWN **158** ; *Arca multiformis* Martin from Luzon, figs., *A. pilula* Rve, fig., I. HAYASAKA **411.**

†*Arcullaea* **gen. nov.** p. 150 Arcidae, type *Arcullaea oleo* **sp. nov.** p. 151 Cretaceous, Aptian, Lebanon Mts., H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 pp. 150, *151* pl. 1 f. 15–22 ; *A. limopsiformis* **sp. nov.** p. 153 pl. 1 f. 23–29 Cretaceous, Aptian, Lebanon Mts., H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946.

†*Breviarca richardsi* **sp. nov.** = "*B. saffordi*" (Gabb.) Wade U.S. geol. Rep. 127 p. 47 pl. 10 f. 14 Ripley formation (Upper Cretaceous), Pleasant Ridge Lake 4 m. S. of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 78 ; *Breviarca plummeri* Nacatoch Sand 1⅕ m. N.E. of Quinlan p. 87 pl. 9 f. 13, 14 pl. 28 ; *B. nolandi* Nacatoch Sand 2½ m. N. of

Corsicana p. 87 pl. 9 f. 15, 16; *B. webbervilensis* Kemp Clay, Webberville p. 88 pl. 9 f. 17–19; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Ctenodonta delicatula* **sp. nov.** Lower Longvillian, Caernarvonshire, J. C. HARPER Ann. Mag. nat. Hist. (11) **14** 1947 p. 156 pl. vi f. 3.

Cucullaea cancellata Phillips, T., *C. concinna* Phillips, *C. imperialis* Phillips, *C. pectinata* Phillips, *C. reticulata* Bean MS., Phillips, MELMORE **662**.

†*Cucullaea rusideana* pp. 33, *43* pl. ii f. 7, 9 Coniacian; *C. andersoni* pp. 33, *44* pl. 1 f. 14, 15 Coniacian; **spp. nov.** Mesozoic, Peruvian Andes, E. F. RICHARDS Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947.

†*Cypricardites fuhrmanni* **sp. nov.** Süd-Hang Kronsfeldes, Lower Devonian, Europe, G. DAHMER Senckenb. Frankfurt **27** 4–6 1946 p. 184, fig. 1.

†*Cyrtodonta ventricosa* **sp. nov.** "Caradoc" of Ynys Gabel, Caernarvonshire, J. C. HARPER Ann. Mag. nat. Hist. (11' **14** 1947 p. 156 pl. vi f. 4.

†*Eonavicula whitfieldi* **sp. nov.** Aptian Cretaceous, Lebanon Republic, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 149 pl. 1 f. 10–14.

†*Glycymeris whaleyi* **sp. nov.** Tertiary, Calicut Mountain Range, San Luis Obispo County, California, D. NICOL J. Paleont. Menasha Wis. **21** 4 1947 p. 347 pl. 50 f. 7–11; *Glycymeris rotundata kaufmanensis* **var. nov.** Nacatoch Sand, Navarro Group, Upper Cretaceous ⅗ m. W. of Kaufman, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 84 pl. 9 f. 8–12.

†*Idonearca powersi* Nacatoch Sand, vicinity of Kaufman p. 90 pl. 10 f. 1, 2; *I. kingsensis* Nacatoch Sand, vicinity of Kaufman p. 91 pl. 10 f. 3, 4; *I. deatsvillensis* Corsicana marl 2¼ m. N. by W. of Deatsville p. 94 pl. 11 f. 5–7; *I. murrayi* Neylandville marl 2½ m. N. of Corbet; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Isoarca* Münster 1842, genotype is *Isocardia subspirata* Munster (s.d.) Woodward 1854 non *Isoarca decussata* = *transversa*? [genotype text-figs. 1–3] J. D. NICOL **714**.

†*Nemodon grandis navarroanus*, vicinity of Kaufman, Nacatoch Sand p. 81 pl. 9 f. 1; *N. eufaulensis lineatus* Neylandville marl 2½ m. N. of Corbet p. 83 pl. 9 f. 7; **vars. nov.**; *N. bowiei* **sp. nov.** Nacatoch Sand, vicinity of Corsicana p. 81 pl. 9 f. 2, 3; *N. atkinsi* Nacatoch Sand, vicinity of Chatfield p. 82 pl. 9 f. 4, 5; *N. martindalensis* Corsicana marl ½ m. below Martindale p. 83 pl. 9 f. 6; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Palestinarca* **gen. nov.** Arcidae, genotype *Trigonarca palestina* Whitfield Cretaceous Aptian, Lebanon Mountains, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 154 type p. 155 pl. 2 f. 1–5 text-fig 1.

†*Palestinarca lebanonensis* **sp. nov.** Cretaceous Aptian, Lebanon Mountains, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 157 pl. 2 f. 6–10.

†*Parallelodon cooperi* **sp. nov.** Upper Palaeozoic, Gold Coast, L. R. COX Ann. Mag. N. Hist. (11) **13** 1946 p. 612 pl. xiii f. 4.

†*Pectunculus laddi* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 31 pl. ii f. 13–16.

†*Postligata monroei* **sp. nov.** McRae well, Hinds Co., Missouri, Upper Cretaceous, L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 166 pl. 31 f. 27–29.

†*Trinacria microcancellata* **sp. nov.** Sabinetown, Louisiana, Lower Eocene, J. O'K. BARRY Geol. Bull. Louisiana **23** 1942 p. 48 pl. 2 f. 15–18.

†*Trigonarca munda* **sp. nov.** Avent No. 1 well, Grenada Co., Missouri, L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 171 pl. 31 f. 14–16.

†*Vetoarca* **gen. nov.** Arcidae, genotype *V. hindsana* **sp. nov.** McRae Well, Missouri, Upper Cretaceous, L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **410E** 1947 p. 165 pl. 31 f. 23–26.

MYTILACEA

Botula Morch 1853 t.s.d. Dall 1898 *Botula fusca* Gmel. recent Indian Ocean, *Pleuromya* Agassiz 1843 t.s.d. Herrmannus 1847 *Mya gibbosa* J. de C. Sow (= *Donacites aldunini* Brouginart) Upper Jurassic England, *Laternula* Röding 1798 t.s.d. Gray 1847 *Solen anatinus* L. recent. H. E. VOKES **1051**.

†[illegible] **sp. nov.** [illegible] Aptian Lebanon Mountains, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 159 pl. 2 f. 11. 12.

†*Congeria Sumeghyi* **sp. nov.** Upper Pannon [Pre-Pliocene] Hungary, L. STRAUSZ Ann. hist. nat. Mus. hung. min. geol. Pal. **35** 1942 p. 75 pl. 1 f. 1-8.

†*Cuneolus* **gen. nov.** Mytilidae genotype *Dreissena tippana* Conrad Acad. N.S. Phil. J. (2) 3 p. 328 pl. 34 f. 14 [illegible] Texas Bull. Austin **4101** 1941 pp. 156, 157 pl. 25 f. 20–26.

Lithophaga plumula in argillaceous shale & silicious coarse sandstone at La Jolla & Pacific Grove, Calif., F. HAAS **393**.

†*Modiola pongana* **sp. nov.** Aptian. Peruvian Andes. E. F. RICHARDS Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 35. 62 pl. viii f. 4, 5.

†*Modiolopsis transversalis* "sp. nov." [non des.] Siberian Yunnan, Y. C. SUN **970**.

[illegible] **subsp. nov.** [illegible] **78** 1 [illegible] 7. [illegible] 154 : [illegible] 292 : [illegible] 316 : [illegible] **680**.

[illegible] **nov. gen. nov. spec.** [illegible] G. [illegible] & G. [illegible] Mem. Accad. Ital. Roma **14** 24 1944 pp. 680. 681 figs. 9, 10.

†*Palaeomutela* in the Lower Beaufort S. Rhodesia, G. BOND **138** ; *Palaeomutela subparallela* Amalitsky (1892) in the Sebungwe District, Rhodesia, E. BOND **137**.

†*Sphenotus sekondiensis* **sp. nov.** Upper Palaeozoic, Gold Coast, L. R. Cox Ann. Mag. N. Hist. (11) **13** 1946 p. 617, pl. xii, f. 8, 9.

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†*Avicula caudata* Stopp fig., MINOUX & RÉCOUR **681**.

†*Gervillia bryani* Nacatoch sand, vicinity of Kaufman p. 97 pl. 10 f. 10 ; *G. wellsi* Kemp Clay, near McQueeney, p. 97 pl. 10 f. 9 ; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

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†*Pachypteria* de Koninck—Systematic position between Aviculidae & Ostreidae, C. DECHASEAUX **260**.

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†*Posidonomya baconica* **sp. nov.** Lower Lias, L. Kovács Mag. N. földt. Irt. Eck Pest. **73** 1-3 1943 p. 260 text-figs.

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†*Chlamys tauroperstriata* Sacco figs., E. M. Gallitelli **356** ; *Chlamys glabra* and vars. *liburnica*, *pontica*, *distans* common fossil at Berre, G. Petit & M. Paulus **742.**

†*Ctenostreon cumminsi* **sp. nov.** Comanche (Lower Cretaceous) U.S.A., T. W. Stanton Prof. Pprs. U.S. Geol. Surv. **211** 1947 p. 47 pl. 38 f. 1, 6.

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†*Pecten* (*Neithea*) *hourcqi* **sp. nov.** Cretaceous, Menabe Madagascar, M. Collignon Ann. Géol. Serv. Mines Madagascar **10** 1939 p. 69 pl., i f. 16

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†*Pecten latissimus* figs., A. FRANCAVIGLIA **340**.

†*Plicatula vermiculata* **sp. nov.** Epi, Foreland Bay, 1 valve, Upper Miocene, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 22 pl. i f. 23–24; *Plicatula hourcqi* **sp. nov.** Cretaceous Menabe, Madagascar, M. COLLIGNON Ann. Géol. Serv. Mines Madagascar **10** 1939 p. 66 pl. i f. 6, 6a, 7; *Plicatula singewaldi* **sp. nov.** Mezozoic Peruvian Andes, E. F. RICHARDS Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 34, *58* pl. vii f. 1.

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†*Anomia rufa* **sp. nov.** Lower Eocene about 6 m. S.W. of Zwolle, Sabine Parish, Louisiana, J. O'K. BARRY Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 55 pl. 3 f. 9 pl. 6 f. 1, 2; *Anomia microlirae* **sp. nov.** McRae Well, Hinds Co., Missouri, Upper Cretaceous, L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 167 pl. 31 f. 31–33; *Anomia acutilinearis* **sp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 174 pl. 32 f. 38–40.

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†*Exogyra paronai* **sp. nov.** Neocretaceous, Tripolitania, C. MAXIA Boll. Soc. geol. ital. **59** 2 1940 p. 154 pl. x f. 7, 8; *Exogyra costata spinifera* **nom. nov.** for *E. costata spinosa* Stephenson 1923 non *E. spinosa* Matheron M. Philippe Cenomanian in France 1842, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 125 pl. 21 f. 1; *Exogira pellicoi* Vern. & Coll. Mastrichtian Spain, figs., J. R. BATALLER **36**.

†*Gryphaea marcidensis* p. 123 pl. ix f. 2a, b, **sp. nov.**; *G. exogyroides semilunaris* p. 118 pl. ix f. 3a, b; *G. e. spirulaea* p. 119 pl. xii f. 4a, b; *G. arabica zellensis* p. 122 pl. viii f. 7a, b pl. x f. 8; **vars. nov.** Paleogene, Fezzan, A. DESIO Miss. Sci. R. Accad. Ital. a Cufra (1931—IX) Roma **3** 1934; *Gryphaea graysonana* **sp. nov.** Comanche (Lower Cretaceous) U.S.A., T. W.

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†*Ostrea contexta* **sp. nov.** p. 87 pl. 1 f. 1–4 ; *O. fimbriata gigantea* **var. nov.** p. 89 pl. i f. 5, Oligo Miogene, Somali, G. CECIONI Boll. Soc. geol. ital. **64** 1947 ; *Ostrea praelongirostris* p. 104 ; *O. grazianii* p. 105 pl. vii f. 4a, b pl. ix f. 8a, b ; *O. dainellii* p. 106 pl. x f. 2a, b ; *O. deagostinii* p. 113 pl. xiii f. 4 ; **spp. nov.** *O. multicostata appendicularis* **var. nov.** Paleogene, Fezzan, A. DESIO Miss. Sci. R. Accad. Ital. a Cufra (1931—IX) Roma **3** 1934 ; *Ostrea praelonga gortanii* **var. nov.** Cretaceous Zululand, Basso Umsindusi Turonian ? G. TAVANI Atta Soc. Tosc. sci. nat. Mem. Pisa **48** 1940 p. 55 pl. ii f. 3 ; *Ostrea vesicularis* with fossil pearl, W. F. ANDERSON **40.**

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†*Anodonta subjapanensis yokoyamai* **subsp. nov.** Tertiary Coalfields of Uryū Hokkaido, K. SUZUKI J. Fac. Sci. Univ. Tokyo Sect. III Geol. **6** 1-3 1941 p. 29 pl. ii f. 3a–c.

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†*Anthracosia barkeri* **sp. nov.** above the Clowne Coal Oaks, opencast site, N.N.E. of Far Duckmanton, Derbyshire, D. LEITCH Proc. Yorks. Geol. Soc. Leeds **27** 2 1947 p. 96 pl. vii f. 5, 6 text-fig. 8.

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†*Palaeanodonta sophiae* Schmidt and *P. castor* Eichwald, new spp. for the Lower Permian of Moravia, T. AUGUSTA **25** Vist. Sta. Geol. Úst. Českos **22** 1947 187; *Palaeanodonta* in the Lower Beaufort, S. Rhodesia, G. BOND **138**.

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†*Unio uryuensis* **sp. nov.** Tertiary, Coalfields of Uryū Hokkaido, K. SUZUKI J. Fac. Sci. Univ. Tokyo Sect. II Geol. **6** 1-3 1941 25 1 11a–c.

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†*Trigonia stantoni* Nacatoch Sand, vicinity of Corsicana p. 127 pl. 20 f. 3; *T. castrovillensis* Corsicana marl near Castroville p. 128 pl. 19 f. 3–7; **spp. nov.**; *T. eufaulensis gabbi* Nacatoch Sand, vicinity of Kaufman p. 129 pl. 19 f. 8, 9; *T. eufaulensis moorei* Corsicana marl 5 m. E. of Greenville p. 129 pl. 20 f. 4, 5; **vars. nov.**; Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin 4101 1941; *T. libanotica* **sp. nov.** = *T. syriaca* "Conr." Fraas, non Conrad, Cretaceous Aptian, Lebanon Mountains, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 168 pl. 4 f. 8–12; *T. mathewsi* **sp. nov.** Aptian Mesozoic, Peruvian Andes, E. F. RICHARDS Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 34, *55* pl. vii f. 9, 10.

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†*Amphiaraus* **gen. nov.** Astartidae, genotype *A. seleniscus* **sp. nov.** Aptian Cretaceous, Lebanon Mountains, Lebanon, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 175 type p. 176 pl. 6 f. 22–24.

Astarte aequilatera Hudleston, T. W. H. Hudleston 1 p. 486; *A.* (*Coelastarte*) *settringtonensis* Osmington Oolite Ser. Morton H. Settrington P. S. MELMORE **662.**

†*Astarte ? culebrensis* **sp. nov.** well near Culebra, Corsicana marl, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 174 pl. 26 f. 9, 10.

†*Astartemya* **gen. nov.** Astartidae, genotype *A. fentressensis* **sp. nov.** Navarro Group, Kemp Clay, Caldwell Co., Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 173 pl. 27 f. 1–3.

†*Crassatella gardnerae* **sp. nov.** Ripley formation (Upper Cretaceous), Pleasant Ridge Lake 4 m. S. of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 79 pl. 1 f. 3, 4. *C. subterrestris* **sp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 174 pl. 32 f. 21–25. *C. vadosa manorensis* p. 177 pl. 29 f. 6–9; *C. v. chatfieldensis* p. 178 pl. 29 f. 10, 11; *C. v. bexarensis* p. 178 pl. 29 f. 1–5; *C. v. cedarensis* p. 178 pl. 27 f. 12; **vars. nov.**; *C. quinlanensis* **sp. nov.** p. 179 pl. 27 f. 9–11 pl. 28; Nacatoch Sand, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Cypricardella tealei* **sp. nov.** Upper Palaeozoic, Gold Coast, L. R. COX Ann. Mag. Nat. Hist. (11) **13** 1946 p. 618 pl. xiii f. 2.

†*Opis woodsi* **sp. nov.** Cretaceous, Menabe, Madagascar, M. COLLIGNON Ann. Geol. Serv. Mines Madagascar **10** 1939 p. 70 pl. 1 f. 20, 20a.

†*Pachythaerus similoides* **sp. nov.** Cretaceous Aptian, Lebanon Mountains, Lebanon, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 178 pl. 7 f. 10–13.

†*Uddenia fragilis* **sp. nov.** Ripley formation (Upper Cretaceous), Pleasant Ridge Lake, 4 m. S. of Dumas, Mississippi, A. HARBISON Pr. Acad. Nat. Sci. Philad. **97** 1945 p. 80 pl. 2 f. 8–9; *U. texana* **sp. nov.** N. edge of Corsicana, Nacatoch Sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 181 pl. 26 f. 1–3.

†*Vetericardia* = *Vetocardia webbervillensis* **sp. nov.** Corsicana marl, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 176 pl. 26 f. 5–8.

CARDITACEA

†*Cardita hilli* **sp. nov.** Upper Pleistocene, Newport Bay, Orange Co., California, G. WILLETT Bull. S. Calif. Acad. Sci. **43** 1 1944 p. 19 pl. 7.

†*Carditopsis chavani* **sp. nov.** *Erycinella rualis ?* Mowdon 1880–1881 non Conrad 1845, Miocene, Houthaelen, Belgium, M. GLIBERT Mem. Mus. Hist. nat. Belge **103** 1945 p. 133 pl. vi f. 13 a–c.

Eupera mussolinii **sp. nov.** Lake Tana, Abyssinia, C. PIERSANTI Miss. Biol. Lago Tana **3** 2 1940 p. 241 pl. 11 f. 59–62.

†*Venericardia lamyi* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 33 pl. ii f. 18, 19; *V.* (*Venericor*) *gardnerae* **sp. nov.** Rocks Creek, Natchitoches Parish, Louisiana

p. 59 pl. 7 f. 1–3 ; *V.* (*V.*) *sabinensis* Sabine Parish p. 61 pl. 7 f. 4–9 ; **spp. nov.** Lower Eocene, J. O'K. BARRY Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 ; *V. dietrichi* **sp. nov.** (= *Cardita* (*Venericardia*) cf. *neocomiensis* Deit. Lamel. Cret. Cord. Oriental p. 100 lam. 20 fig. 6–7 (1938).) Muestra Escarpe septentrinaal de La Laguna Tenza, J. ROYO Y GOMEZ Serv. Geol. Nac. Colombia **5** 1942 p. 341 ; *V. subterrea* **sp. nov.** McRae Well, Hinds Co., Missouri, Upper Cretaceous, L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 167 pl. 31 f. 34–37 ; *V. uvaldana* **sp. nov.** Bed of Nueces River 0.3 m. upstream from the bridge of the Southern Pacific Railway, Uvalde Co., Texas, L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 186 pl. 31 f. 47–50.

†*Xenocardita* **gen. nov.** Carditidae, genotype *Cardita lacunar* Hamlin, Cretaceous, Lebanon Mountains, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 181 type p. 182 pl. 7 f. 1–8.

SPHAERIACEA

†*Anthracosphaerium propinquum* (Melville) MSS. [**sp. nov.** ?] above the Wattewood Coal, D. LEITCH Proc. Yorks. Geol. Soc. Leeds **27** 2 1947 p. 93 pl. vii f. 7-10 text-figs. 6 a–c.

†*Anthracosphaerium truemani* **sp. nov.** black shale 5–6 ft. above the Wathwood Coal (opencast) near Newhill, Wath-on-Dearne, Yorkshire, D. LEITCH Proc. Yorks. Geol. Soc. Leeds **27** 2 1947 p. 95 pl. vii f. 13 text-fig. 7 a–d.

†*Batissa nagaoi* **nom. nov.** = *Cyrena* (*Batissa*) *ponderosa* Nagao 1928 non *Cyrena ponderna* Prime 1860, non *Batissa ponderos* Prime 1862, K. SUZUKI J. Fac. Sci. Univ. Tokyo Sec. II. Geol. **6** 1–3 1941 p. 46 text-fig. 1–3 pl. 1 f. 1, 2 ; *B. procera* **sp. nov.** Palaeogene Japan, K. SUZUKI J. Fac. Sci. Univ. Tokyo Sec. II Geol. **6** 1–3 1941 54 pl. i f. 4–7.

Corbicula Revision of the British species figs., A. E. ELLIS **295**.

†*Corbicula matusitai* **sp. nov.** Paleogene Japan, H. SUZUKI J. Fac. Sci. Univ. Tokyo Sec. II Geol. **6** 1–3 1941 p. 58 pl. iv f. 8–11.

†*Inversidens isikariana* **sp. nov.** Tertiary Hokkaido, K. SUZUKI Jap. J. Geol. Geogr. **18** 4 1942 p. 150 pl. xviii f. 3, 4.

†*Margaritifera otatumei* **sp. nov.** Tertiary Hokkaidō, K. SUZUKI Jap. J. Geol. Geogr. **18** 4 1942 p. 148 pl. xvii f. 4 a–c.

Musculium reproduction, CLEAVE, WRIGHT & NIXON **197**.

Pisidium species of Tövelde Klint figs., H. SCHLESCH **880** ; *P.* Hungarian species figs., J. WAGNER **1065**.

†*Pisidium vicentianum* in the Quaternary N. Germany, v. TH. SCHMIERER **881**.

Sphaerium (*Cyelas*) *corneum* L. mode of nutrition of embryos, M. COUTEAUX-BARGETON **231** ; *S.* Revision of British species, figs., A. E. ELLIS **295** ; *S. occidentale* does not attain full growth in one year, H. B. HERRINGTON **426** ; *S. corneum* L. behaviour in toxic solutions, W. S. LACEY **563**.

†*Sphaerium fulungchuanense* **sp. nov.** Cretaceous Central Manchoukuo, K. SUZUKI J. Fac. Sci. Univ. Tokyo Sect. II Geol. **6** 4–10 1942 p. 103 pl. i f. 6–8.

ISOCARDIACEA

†*Isocardia bulbosa* p. 206 pl. 37 f. 4, 5 ; *I. hendersoni* p. 207 pl. 37 f. 7, 8 ; *I. irelandi* p. 207 pl. 37 f. 6 ; *I. shumardi* p. 207 pl. 37 f. 1–3, **spp. nov.** Navarro Group, Upper Cretaceous Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

CYPRINACEA

†*Anisocardia* (?) *cardiomorpha* **sp. nov.** Cretaceous Aptian, Lebanon Mountains, Lebanon, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 175 pl. 6 f. 16–18.

†*Anisocardia desioi* p. 12 f. 6 ; *A. nistai* p. 13 f. 7, **spp. nov.** Upper Batonian, Gillaptu, S. VENZO Rev. ital. paleont. Milano **50** 1 1944.

†*Anisocardia moultonensis* p. 159 f. 25a–b pl. 9 f. 70 holotype, Northampton Museum ; *A. channoni* p. 159 f. 27a–b pl. 9 f. 71 holotype B.M. ; *A. stamfordensis* p. 160 f. 24a–b pl. 9 f. 72 holotype B.M. ; *A. roxburgensis* p. 160 f. 30 a–b ; *A. williamsoni* p. 163 f. 26 pl. 9 f. 77

holotype B.M.; *A. fullonica* p. 164 f. 34a–b pl. 9 f. 73 holotype B.M.; *A. bathensis* f. 31a–b pl. 9 f. 74; *A. longicaudata* p. 169 f. 38a–b holotype B.M.; **spp. nov.** Oolite England, L. R. Cox Proc. Malac. Soc. **27** 4 1947.

†*Isocypina strangwaysi* p. 147 f. 11, 12 a–b pl. 8 f. 57 Holotype B.M. "*Cytherea*" *plana* Bean MS.; *I. dustonensis* p. 148 f. 13 a–b pl. 6 f. 61 Holotype B.M.; *I. leckhamptenensis* p. 148 f. 16 a–b pl. 8 f. 59 Holotype G.S.M.; *I.* ? *zonata* **nom. nov.** = *Cytherea picta* Lycett 1850 non Lmk. 1818 p. 149 pl. 8 f. 66; *I. cheltensis* p. 149 f. 10 a–b pl. 8 f. 58, holotype G.S.M.; *I. bradfordensis* p. 150 f. 14 a–b pl. 8 f. 60, holotype G.S.M.; *I. crossi* p. 152 f. 20 a, b pl. 8 f. 60 65, holotype Scunthorpe Mus.; *I. dundriensis* p. 153 f. 17 a–b pl. 8 f. 62 holotype B.M.; *I. obornensis* p. 154 f. 19 a–b pl. 8 f. 63 holotype B.M.; *I. sharpi* f. 23 a–b, pl. 8 f. 67, 68 holotype B.M.; **spp. nov.** Lower Oolite England, L. R. Cox Proc. Malac. Soc. **27** 4 1947.

†*Protocyprina* **gen. nov.** Cyprinidae genotype *Astarte libanotica* Fraas "+ *Cyprina* (*Venilicardia* ?) *abeikensis* [Humlin]" Aptian Cretaceous Lebanon Mountains, Lebanon, H. E. Vokes Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 170 type p. 172 pl. 5 f. 1-12; *P. libanotica elongata* **var. nov.** Cretaceous Aptian Lebanon Mountains, Lebanon, H. E. Vokes Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 173 pl. 5 f. 13, 14.

†*Pseudisocardia migliorinii* **sp. nov.** Upper Batonian Gillaptu, S. Venzo Rev. ital. paleont. Milano **50** 1 1944 p. 14 f. 8.

†*Roudaircia checchiai* **sp. nov.** Neocretaceous Tripolitania, C. Maxia Boll. Soc. geol. ital. **60** 1 1941 p. 74 pl. ix f. 7–9.

†*Venilicardia olivensis* p. 173 pl. 6 f. 12–15; "*V.*" *tergida* p. 174 pl. 6 f. 19–21, **spp. nov.** Cretaceous Aptian Lebanon Mountains Lebanon, H. E. Vokes Bull. Amer. Mus. nat. Hist. **87** 3 1946.

Venilicardia Stoliczka 1870-71 Paleont. Indica ser. 6 vol. 3 pp. xviii 190 t.o.d. *Cyprina bifida* Zettel Cret. Austria. *Anisocardia* Munier-Chalmas 1863 J. de C. 11 288 monotypic A. elegans M-C Kimmeridgean, Jurassic France, Vokes **1051**.

DREISSENACEA

Dreissena in the Caspian, variation in salinity & effect, A. F. Karpevitch **507**.

†*Mytilopsis singewaldi* **sp. nov.** Tertiary, Rio Packitua Peru, H. A. Pilsbry Bol. Mus. Hist. nat. 'J. Prado' **10** 36–37 1946 [1947] p. 50 pl. iii f. 35, 36.

LUCINACEA

†*Adontorhina* **gen. nov.** Thyasiridae genotype *A. cyclia* **sp. nov.** Lower Pleistocene "Hill Top Quarry," San Pedro, California, S. S. Berry Bull. Amer. Paleont. Ithaca **31** 127 1947 6 (260) pl. 1 f. 1, 2.

Corbicella eboracensis Arkell Topotype & P. Ashington White Series, Malton, S. Melmore **662**.

Corbis ovalis Phillips T., Kellaways Rock, Scarborough, S. Melmore **662**.

Diplodonta orbella Gould, Nest of. figs., F. Haas **393**.

Idotea & associated Mollusca, R. Elmhirst **298**.

†*Linga bonaërensis* **sp. nov.** González Catan, Buenos Aires, Argentina, Entrerruian Miocene–Pliocene, E. Wahnish Rev. Centr. Estud. Doct. Cienc. nat. Buenos Aires **1** 3 1937 p. 180 text-fig.

†*Lucina paranaensis* **sp. nov.** Trias Brazil, F. R. Cowper Reid Bol. Serv. Geol. e min. Brasil **107** 1943 p. 18 pl. 1 f. 4, 5; *L. aegra* **sp. nov.** Trias Uruguay, L. R. Cox Bol. Serv. Geol. e min. Brasil **107** 1943 p. 39 pl. x f. 3; *L. mokattamensis libantea* **var. nov.** (= *L. m.* var. Oppenheim 1906 z. Kenntnis Alt. Faun in Aegypten p. 135 pl. xvi f. 5) Paleogene Fezzan, A. Desio Mus. Sci. R. Accad. Ital. a Ciefra (1931–IX) Roma **3** 1934 p. 91; *L. mattiformis* p. 190 pl. 33 f. 7; *L. linearia* p. 190 pl. 33, f. 8, 9; *L. chatfieldana* p. 191 pl. 34 f. 4, 5; *L. seminalis* p. 191 pl. 34 f. 1, 2; *L. oleodorsum* p. 192 pl. 34 f. 3; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. Stephenson Univ. Texas Bull. Austin **4101** 1941

Lucina borealis L. mode of locomotion, figs., E. Stoll **948**.

†*Mactromya agipi* **sp. nov.** Upper Bathonian Cud-Finagubi, S. VENZO Rev. ital. Paleont. Milano **50** 1 1944 p. 11 f. 5.

†*Tancredia dainellii* **sp. nov.** Upper Batonian near Doli-El-Uak, S. VENZO Rev. ital. paleont. Milano **50** 1 1944 p. 14 f. 9.

†*Thyasira compacta* **sp. nov.** Ryûkyû Limestone of Okinawa-zima, Rijûkyû group, K. ISHIZAKI Tr. nat. Hist. Soc. Formosa **32** 230 1942 pp. 346, *349* figs. 1 a–f, 2.

†*Thyasira* fossil species in the Philippines, I. HAYASAKA **409**.

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Erycina Lk., 1805. Proposal to stabilise status with *Erycina pellucida* Lk., 1805 as type, H. A. REHDER **801**.

†*Erycina* (*Hemilepton*) *kautskyi* **sp. nov.** = *Lepton deltoideum* Moarlon, 1881 (non S. V. Wood, 1840 = *Bornia geoffroyi* Payard) Miocene, Aversian, Belgium, M. GLIBERT Mém. Mus. Hist. Nat. Belge **103** 1945 p. 163 pl. x, f. 9 a, b.

†*Lepton palotense* **sp. nov.** Miocene Europe, L. STRAUSZ & T. SZALAI Rel. Ann. Inst. Geol. Publ. Hungaric **5** 3 1943 p. 130 pl. iii f. 14.

Montacuta phascolionis Dautzenberg; *M. clarkiae* (Clark); *M.* (*Tellimya*) *ferruginosa* Montagu, Anatomical studies J. M. PÉRES **741**.

†*Montacuta* (*Aligena*) *antiverpiensis* **sp. nov.** *Kellia elliptica* Nyst in Dewalque non Scacchi in Wood, Miocene Belgium, M. GLIBERT Mém. Mus. Hist. Nat. Belge **103** 1945 p. 167 pl. x f. 11.

†*Scintilla ? ramoni* **sp. nov.** Nacatoch sand, Navarro group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 193 pl. 34 f. 8.

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Diceras bubalinum Peters, F. BACHMAYER **63**.

†*Hipponyx bistriatus minuta–striata* **var. nov.** Oligocene Turkey, V. STCHEPINSKY Maden. Tetkik Ve Arana, Ankara **30** 1943 pp. 227, *240* pl. ii f. 1.

†*Sauvagesia ? hilli* **sp. nov.** Corsicana marl, Salado Greek, Bexar Co., Texas, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 187 pl. 33 f. 1 pl. 34 f. 9 pl. 35 f. 9 pl. 36 f. 9.

CARDIACEA

†*Brevicardium* **gen. nov.** Cardiidae, genotype *B. fragile* **sp. nov.** Mississippi Owl Creek formation at Owl Creek, Tippah Co. pp. 203, 204 pl. 36 f. 5–8; *B. tenue* p. 205 pl. 35 f. 5; *B. guadalupense* p. 205 pl. 35 f. 7, 8; *B. marcosense* p. 206 pl. 35 f. 6; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Cardiidae notes, L. C. SMITH **912**.

Cardium (*Americardia*) *guanacastense* **sp. nov.** [**nom. nov.**] for *C. planicostatum* Sow. P.Z.S. 1833 p. 83 not Sedgwick & Murchison 1829 p. 140; *C.* (*Laevicardium*) *clarionense* **sp. nov.** dredged 3 m. off Pyramid Rock, S. of Clarion Island, lat. 18° 19′ N. long. 114° 45′ W. in 55 fms. rock and coral bottom p. 144 pl. 1 f. 5–7, 14, HERTLEIN & STRONG Zoologica N.Y. **31** 4 1947; *C. inaequalis* Bell, T., *C. incertum* Phillips, T., *C. multicostatum* Bean MS., J. Phillips *C. semiglabrum* Phillips, *C. striatulum* Phillips, S. MELMORE **662**; *C. acutangulum* Phillips, Dogger, Peak near Whitby, *C. citrinoideum* Phillips, T., cornbrash, Scarborough, *C. gibberulum* Phillips, T., Yellow Sands, Inferior Oolite, Glaizedale near Whitby, S. MELMORE **662**; *C. edule* L. composition, A. R. DE LAS HERAS & R. L. COSTA **421**; *C. edule* effect of salinity in the Caspian Sea, A. KARPARICH **505**; *C.* pigment, B. M. MARCOLINI **639**; *C. edule* L., *C. nodosum* Turton, mode of locomotion, figs., E. STOLL **948**.

†*Cardium* (*Trachycardium*) *laddi* p. 33 pl. iii f. 1, 2; *C.* (*Laevicardium*) *mansfieldi* p. 35 pl. ii f. 20, 21; *C.* (*Laevicardium*) *auberti* p. 36 pl. iii f. 5, 6; **spp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946; *C.* (*Parvicardium*) *strealini* **sp. nov.** = *C. nodosum* Mourlon 1880–1881 non Montagn 1803, Miocene Anversian, Eogene, Belgium, M. GLIBERT Mem. Mus. Hist. nat. Belge **103** 1945 p. 174 pl. xi f. 1 a–c; *C. watsoni* pp. 35, **71**

pl. x f. 12 Coniacian; *C. centralis* pp. 35, **71** pl. x f. 7 Coniacian; **spp. nov.** Permian, Andes, E. F. RICHARDS John Hopkins Univ. Stud. Geol. Baltimore **15** 1947; *C.* (*Pachycardium*) *wadei* p. 194 pl. 38 f. 1, 2 pl. 39 f. 4–6; *C.* (*Ethmocardium*) *welleri* p. 195 pl. 34 f. 13–17; *C.* (*Granocardium*) *deltanum* p. 196 pl. 35 f. 1–4; *C.* (*G.*) *rossae* p. 197 pl. 36 f. 1, 2; *C.* (*G.*) *bowenae* p. 198 pl. 34 f. 10–12; *C.* (*G.*) *tholi* p. 199 pl. 36 f. 3; **spp. nov.**; *C.* (*Trachycardium*) *eufalense huntanum* **var. nov.** p. 202 pl. 36 f. 4, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941; *C.* (*Trachycardium*) *grenadense* **sp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 175 pl. 32 f. 34–36.

Corculum obesum p. 224 pl. 1 f. 2 Cebu; *C. levigatum* p. 226 pl. 1 f. 1 U.S. Exp. Expd.' no loc.; *C. aselae* p. 226 pl. 2 f. 1 near Cebu City, Cebu; **spp. nov.**, P. BARTSCH Pacific Sci. Honolulu **1** 4 1947.

Didacna trigonoides effects of salinity in the Caspian Sea, A. KARPARICH **505**.

†*Ferrazia cardinalis* **gen. et sp. nov.** Trias, Brazil [Cardiacea] Trias, Brazil, F. R. COWPER REID Bol. Serv. geol. e min. Brasil **107** 1943 p. 26 pl. xix f. 1–5.

Hippopus hippopus (L.), fig., R. A. MCLEAN **610**.

†*Integricardium* Rollier 1912 Mém. Soc. Paleont. Suisse vol. 38 p. 127 t.o.d. *Cardium dupenianum* Orb., Cretaceous (Albian), France, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946.

†*Laevicardium antiverpiense* **sp. nov.** Miocene Anversian, Anvers, Belgium, M. GLIBERT Mem. Mus. Hist. nat. Belge **103** 1945 p. 169 pl. x f. 7 a–c.

†*Limnocardium* (*Pontalmyra*) *Priscae* **sp. nov.** p. 70 pl. 1 f. 5, 6, 9, 10, 13, 14, 16, 17; *Schréteri* **sp. nov.** p. 67 pl. 1 f. 21, 26, 27, Somlójenó (Upper Pannon) [Pre-Pliocene], L. STRAUSZ Ann. hist.-nat. Mus. hung. Min. Geol. Pal. **35** 1942.

Monodacna caspia effect of salinity in the Caspian Sea, A. KARPARICH **505**.

†*Nemocardium* Meek 1876, Rep. U.S. Geol. Surv. Territories (Haydm.) **9** 167, 173 type by virtual monotypy and subseq. desig. Sacco 1899 *Cardium semiasperum* Deshayes, Eocene, France, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946.

†*Pachycardia neotropica* **sp. nov.** Trias, Brazil, F. R. COWPER-REID Bol. Serv. Geol. e min. Brasil **107** 1943 p. 16 pl. 1 f. 3, 3a–b.

Pinzonela [*Pinzonella* in Index] *illusa* **gen. et sp. nov.** Trias, Brazil [Cardiacea], F. R. COWPER-REID Bol. Serv. geol. e min. Brasil **107** 1943 p. 28 pl. xix f. 6–11.

Pinzonella similis **sp. nov.** Trias, Brazil [Cardiacea], F. R. COWPER-REID Bol. Serv. Geol. e min. Brasil **107** 1943 p. 30 pl. xix f. 12, 12a **234**.

†*Plethocardia rotunda* **sp. nov.** "Caradoc" of Ynys Gabel, Caernarvonshire, J. C. HARPER Ann. Mag. nat. Hist. (11) **14** 1947 p. 159 pl. vi f. 5.

†*Protocardia berrii* pp. 35, *72* pl. xi f. 1, 2 Middle Albian; *P. meridionalis* pp. 35, *74* pl. x f. 15–17 Mesozoic; **spp. nov.** Peruvian Andes, E. F. RICHARDS John Hopkins Univ. Stud. Geol. Baltimore **15** 1947.

Tridacna gigas (L.) Syst. Nat. 1738, 691 = *derasa* Röding 1798 Mus. Bolt. 2 172; = *gigantea* Perry 1811 Conchol. 2; = *mutica* Lk. A. s. v. 6 106 1819, Chem. 1845 Illust. Conch. 2 pl. 4 f. 1, 1a; Sow. 1912 P.M.S. 10 (1) 30; = *serrifere* Lk. 1819 A.s.v. 6 107; Rve. C. Icon 1862 **14** pl. 6 f. 6; Sow. 1912 P.M.S. 10 (1) 30; *gigas* Sow. non L. Thes. Conch. 5 179 pl. 4 f. 11; *T. gigas* (L.), *T. squamosa* Lk., *T. noae* (Röding), *T. maxima* (Röding), *T. crocea* Lk., figs., R. A. MCLEAN **610**; *T.* anatomy, K. MANSOUR **633**.

Tridacnidae food and feeding habits, K. MANSOUR **634**.

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Acritopaphia transfusa on tidal flats, J. ALLAN **31**.

†*Antigona* (*Ventricola*) *vitiensis* Ladd *gigas* **var. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 44 pl. iii f. 19–22.

†*Aphrodina ? navarroana* **sp. nov.** Neylandville marl 2½ m. N. of Corbet Navarro Group, Upper Cretaceous Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 210 pl. 38 f. 5, 6.

Costacallista eucymata (Dall) figs., K. v. W. PALMER **727**.

Chione picta Dall. **sp. nov.** [recent] Magdalena Bay, Lower California, G. WILLETT, Bull. S. Calif. Acad. Sci. **43** 1 1944 p. 21 pl. 8. [The author specifically states that the name is to be attributed to Dr. W. H. Dall].

†*Circe* (*Crista*) *pulchella* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebridsd, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 43 pl. iii f. 17; *Circe sugillata* on tidal flats, J. ALLAN **31**.

Cooperella subdiaphana Carpenter, nest of, figs., F. HAAS **393**.

†*Costacallista olssoni* Palmer, holotype figs., K. v. W. PALMER **727**.

†*Cyprimeria coonensis* **sp. nov.** Coon Creek, McNairy Co. Tennessee, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 214 pl. 40 f. 4.

Cytherea dolabra Phillips eds. 1, 2 pl. ix f. 12 ed. 3, *Cytherea ? dolabra* Scarborough limestone, near Scarborough, S. MELMORE **662**.

†*Fulpia ? subtrigona* **sp. nov.** Upper Cretaceous U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Univ. **210E** 1947 p. 176 pl. 32 f. 29, 30.

Lutraria rhynchaena on tidal flats, J. ALLAN **31**.

†*Macrocallista triangulata* **sp. nov.** Lower Eocene Sabinetown Bluff. Texas, J. O'K. BARRY Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 69 pl. 9 f. 4–7.

†*Mediraon* **gen. nov.** Gouldiidae genotype *M. divaricatum* **sp. nov.** Aptian Cretaceous, Abeik Lebanon Mountains, Lebanon, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 178 type p. 179 pl. 6 f. 1–8. *Scambula secunda* Whitfield is of this genus.

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†*Meretrix* (*Amiantis*) *sinuatocostata* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 41 pl. viii f. 14, 15.

Paphia decussata seasonal variation in the gonads, H. VILELA **1046**.

†*Paphia peruana* **sp. nov.** Mesozoic Peruvian Andes, E. F. RICHARDS Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 35, 75 pl. x f. 13, 14.

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†*Pronoella ravenscarensis* p. 175 f. 50 a, b pl. 10 f. 86, holotype A.M.; *P. ferruginea* p. 176 f. 51 a, b pl. 10 f. 83, holotype Northampton Museum; *P. curvirostris* p. 177 f. 52 a, b pl. 10 f. 84 = *P. c.* Lycett 1850 nom. new holotype G.S.M.; *P. stofordensis* p. 178 f. 49 a, b pl. 10 f. 87; holotype B.M.; *P. byxei* p. 179 f. 53 a, b pl. 10 f. 88, holotype B.M.; **spp. nov.** Oolite England, L. R. COX Proc. Malac. Soc. **27** 4 1947.

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†*Venus* (*Timoclea*) *fischeri* **sp. nov.** Upper Miocene, Foreland Bay, Epi, New Hebrides, R. ABRARD Ann. Paléont. Paris **32** 1946 p. 45 pl. iv f. 1–4; *Venus taxandriana* **nom. nov.** *Venus similis* Nyst. 1843, non Wood 1828 Miocene Boldérian Bolderberg, Belgium, M. GLIBERT Mem. Mus. Hist. nat. Belge **103** 1945 p. 190 pl. ix f. 2.

MACTRACEA

†*Cymbophora scabellum* p. 229 pl. 43 f. 8, 9; *C. subtilis* p. 230 pl. 43 f. 11; *C. cancellosa* p. 231 pl. 43 f. 13–15; *C. inflata* p. 232 pl. 43 f. 16, 17; *C.* ? *simpsonensis* p. 233 pl. 43 f. 12; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Spisula brevis* **sp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 178 pl. 32 f. 26, 27.

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†*Abra antiverpiensis* **sp. nov.** Anversian Edegem, Belgium, M. GLIBERT Mem. Mus. Hist. Nat. Belge **103** 1945 p. 200 pl. xii f. 6 a–c.

Amphidesma recurvum Phillips I., Kellaway Rock, Scarborough T., S. MELMORE **662.**

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†*Linearia wieserae* p. 222 pl. 40 f. 8; *L. pectinis* p. 222 pl. 40 f. 7; *L. cribelli* p. 223 pl. 42 f. 8; *L. navarroana* p. 223 pl. 42 f. 6, 7 **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Tellina munda* p. 219 pl. 42 f. 1–5; U.S. Nat. Mus. 76678, vicinity of Chatfield; *T.* ? *marcosensis* p. 220 pl. 41 f. 5, 6, ½ m. below Martindale; *T. patula* p. 220 pl. 41 f. 7, 8, 2½ m. N. of Corbet, **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941; *T. harrelli* **sp. nov.** Upper Cretaceous, U.S.A., L. W. STEPHENSON Prof. Pprs. U.S. Geol. Surv. **210E** 1947 p. 176 pl. 32 f. 5, 8; *T. zitteli* M.-E.; *T.* (*Macaliopsis*) *reticulata* Bell A. DESIO **268.**

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†*Leptosolen* ? *quadrilatirus* p. 228 pl. 43 f. 1; *L.* ? *linguliformis* p. 228 pl. 43 f. 3; *L. levis* p. 228 pl. 43 f. 2; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Solen correctus on Tidal flats, L. ALLAN **31.**

†*Solen pendletoenensis* **sp. nov.** Lower Eocene Sabine Group, Pendleton, J. O'K. BARRY Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 72 pl. 9 f. 10.

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†*Aloidis kannonyanensis* **sp. nov.** Pliocene Met. Kannon, Taihoku, Prefecture, Formosa, K. TAN Fe. nat. Hist. Soc. Formosa **30** 200/201 1940 p. 205 figs.

Corbula cardioides Phillips, Lower Lias, Robin Hood's Bay, S. MELMORE **662.**

†*Corbula* (*Caryocorbula*) *cappa*, Lower Eocene, Sabinetown, Texas, J. O'K. BARRY Geol. Bull. Dept. Conservation Geol. Surv. Louisiana **23** 1942 p. 74 pl. 10 f. 6–17; *C. aracana* **sp. nov.** Rio Pachitea, Tertiary, W. A. PILSBRY Bol. Mus. Hist. Nat. 'J. Prado' **10** 36–37 1946 [1947] p. 53 pl. iii f. 38; *C. torta* p. 236 pl. 44 f. 18–20; *C. rockensis* p. 237 pl. 44 f. 15; *C. linteroidea* p. 238 pl. 44 f. 11–13; *C. woodi* p. 239 pl. 44 f. 6, 7; *C. inflata* p. 239 pl. 44 f. 9, 10; **spp. nov.** *C. subradiata texana* **var. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

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†*Ostomya terminalis* p. 53 pl. iii f. 33; *O. pachiteana* p. 53 pl. iii f. 39, 41; **spp. nov.** Tertiary Rio Pachitea, Peru, H. A. PILSBRY Bol. Mus. Hist. Nat. "J. Prado" **10** 36–37 1946 [1947].

†*Pseudocorbula falconeri* **sp. nov.** Trias, Uruguay, L. R. Cox Bol. Serv. Geol. min. Brasil **107** 1943 p. 40 pl. x f. 6a, b, 7, 8.

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†*Gastrochaena ripleyana* **sp. nov.** Nacatoch Sand Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 244 pl. 46 f. 5–14.

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†*Pholadidea ragsdalensis* **sp. nov.** 1½ m. W. of Campbell, Texas, Nacatoch Sand, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 246 pl. 44 f. 4, 5.

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†*Barnesella lecanospiroides* **gen.** et **sp. nov.** Lower Ordovician, Texas, J. BRIDGE & P. E. CLOUD Jr. Amer. J. Sci. New Haven **245** 9 1947 pp. 345, 248 pl. 1 f. 1–8.

†*Etea corsicana* p. 172 pl. 26 f. 15 ; *E. peasei* p. 172 pl. 26 f. 13, 14 ; **spp. nov.** Nacatoch Sand, N. edge of vicinity of Corsicana, Texas, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Goniochasma scaphoides* **sp. nov.** Nacatoch Sand, Navarro Group, Upper Cretaceous, vicinity of Corsicana, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 249 pl. 46 f. 1–4.

Martesia damage in New Guinea waters, A. W. SHILLINGLAW & D. D. MOORE **902**.

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†*Ramsetia* **gen. nov.** Pholadidae, genotype *R. whitfieldi* **sp. nov.**, vicinity of Kaufman, Nacatoch Sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 pp. 250, 251 pl. 45 f. 7–9.

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Teredo navalis L. and resistance of tropical timbers, I. W. SPOON & F. E. LOOSJES **924**.

†*Xylophagella whitneyi* **sp. nov.**, vicinity of Corsicana, Nacatoch Sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 248 pl. 44 f. 1–3.

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†*Anatina silinensis* **sp. nov.** Aptian, Peruvian Andes, E. F. RICHARDS Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 35, *66* pl. viii f. 10, 11.

†*Anatimya anteradiata texana* **var. nov.** Nacatoch Sand, Navarro Group, Upper Cretaceous, ¾ m. W. of Chatfield, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 161 pl. 25 f. 11.

†*Homomya ? thrasheri* **sp. nov.** well near Old Garfield, Texas, Kemp Clay, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 159 pl. 25 f. 12.

Laternula creccina on tidal flats, J. ALLAN **31**.

†*Laternula ? sublevis* p. 160 pl. 25 f. 4, vicinity of Kaufman 4 m. N. of Corsicana, Nacatoch Sand ; *L. bartoni* p. 161 pl. 25 f. 7–9 4 m. N. of Corsicana, Nacatoch Sand ; *L. ? robusta* p. 160 pl. 25 f. 5, 6, 6 m. E. of Castroville, Corsicana marl ; **spp. nov.** Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

Pandora inaequivalvis L. mode of locomotion, E. STOLL **948**.

†*Periploma howei* **sp. nov.** Lower Eocene, Pendleton, Texas, J. O'K. BARY Geol. Bull. Dept. Conservation. Geol. Surv. Louisiana **23** 1942 p. 58 pl. 6 f. 6, 7 ; *Periploma ? edwardsi* **sp. nov.**, vicinity of Chatfield, Nacatoch Sand, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 162 pl. 25 f. 2, 3.

†*Pholadomya pongensis* pp. 35, *64* pl. viii f. 8, 9 ; *P. silinensis* pp. 35, *65* pl. viii f. 6, 7 ; **spp. nov.** Aptian, Peruvian Andes, E. F. RICHARDS Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 ; *Pholadomya marcasilensis* **sp. nov.** Lower Neocomian Peru, R. RIVERA Bol. Soc. Geol. Peru, Lima **20** 1947 p. 101.

†*Pleuromya borealis* **sp. nov.** Lower Cretaceous Shales between Fts. Norman and Good Hope, Mackenzie R., P. S. WARREN J. Paleont. Menasha, Wis. **21** 2 119 pl. 29 f. 1–4.

†*Pleuromya* (?) *serotina* **sp. nov.** Cretaceous Aptian Lebanon Mountains, H. E. VOKES Bull. Amer. Mus. nat. Hist. **87** 3 1946 p. 159 pl. 2 f. 15, 16.

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†*Cuspidaria grandis* p. 166 pl. 26 f. 31 Corsicana marl 1 $\frac{3}{10}$ m. N. of McQueeney ; *C. grovensis* Neylandville

marl 2½ m. N. of Corbet p. 167 pl. 26 f. 32; **spp. nov.** Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Cymella bella texana* **var. nov.** Upper Taylor marl, ? on the Burlington road 2 $\frac{2}{10}$ m. W.S.W. of Rosebud Falls Co., Texas, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 165 pl. 26 f. 21–23.

†*Liopistha formosa* **sp. nov.** N. edge of Corsicana, Nacatoch Sand, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 164 pl. 26 f. 24–26.

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96 Cephalopod beaks from an Emperor Penguin in the Bay of Whales, P. BARTSCH **85**.

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†*Allumettoceras giganteum* **sp. nov.** from "near the Black River, Newport, New York," Ordovician, Jewett Coll. Cornell University, R. H. FLOWER J. Paleont. Menasha Wis. p. 431 pl. 59 f. 1, 4.

†*Anthraconauta belgica* Auct. biometric studies; *A. minima* (Hind, non Ludwig) pl. A., C. DELEERS & A. PASTIELS **263**.

†*Artinskia lilianae* **sp. nov.** Camp Creek Shale, Pueblo formation (Permian) 1·2 m. S. and 0·6 m. W. of mouth of Saddle Creek, McCulloch Co., Texas, A. K. MILLER & W. YOUNGQUIST Paleont. Contr. Univ. Kansas **2-3** 1947 Art. 1 p. 9 pl. 3 f. 8, 9.

†*Aturia panamensis* p. 101 pl. 79 f. 3 pl. 80 f. 3, 4 lower part of Upper Eocene, Province of Los Santos, Panama; *A. richardsi* p. 106 pl. 74 f. 1–3 *Chione* bed Chickakaway marl (Oligocene), Taylor's Mill Creek, Wayne Co., Mississippi; **spp. nov.**, A. K. MILLER Mem. Geol. Soc. Amer. Washington, D.C. **23** 1947; *Aturia* (*Brazaturia*) *turneri* Bluff along Ridge Creek about 1 m. above the Missouri Kansas and Texas Railroad Trestle and the County road bridge 6·2 m. W. of Smithville, Bastrop Co., Texas, p. 770 pl. 41 f. 1–6 text-figs. 125 (2), 126 (7); *A.* (*B.*) *garretti* left bank of Saline Bayou at railroad trestle of Louisiana Railway and Navigation Co. at St. Maurice South Western, Winn Parish, Louisiana **spp. nov.** Tertiary, H. B. STENZEL Univ. Texas Bull. Austin **3945** 1939.

†*Aturoidea olssoni* **sp. nov.** Salina formation (Eocene) near Negritos and Punta Pariñas, N.W. Peru, A. K. MILLER Mem. Geol. Soc. Amer. Washington, D.C. **23** 1947 p. 73 pl. 51 f. 1, 2; pl. 52 f. 1; pl. 53 f. 3, 4; pl. 54 f. 1, 2; pl. 92 f. 3–5.

†*Bitauniocerás texanum* **sp. nov.** Wildcat Creek Shale (Permian) 4½ m. S.S.W. of Coleman, Coleman Co., Texas, A. K. MILLER & W. YOUNGQUIST Paleont. Contr. Univ. Kansas **2-3** 1947 p. 4 pl. 1 f. 15.

†*Cimomia kugleri* **sp. nov.** Soldado formation, Paleocene, Marac quarry, south-central part of Trinidad, British West Indies, A. K. MILLER Mem. Geol. Soc. Amer. Washington, D.C. **23** 1947 p. 43 pl. 29 f. 1, 2.

†*Condraoceras* **gen. nov.** Nautilacea, genotype *C. primum* **sp. nov.** upper part of Winterset Limestone about ½ m. N.E. of Sugar Creek Sta. Jackson Co., Missouri, A. K. MILLER, J. H. LANE & A. G. UNKLESBAY Paleont. Contr. Univ. Kansas **2-3** 1947 Art. 2 p. 5 pl. 3 f. 5, 6 pl. 4 f. 1, 2.

†*Cycloplectoceras* **gen. nov.** p. 33 Plectoceratidae, Nautilacea, genotype *C. miseri* **sp. nov.** p. 84 pl. 11 f. 1–14 pl. 12 f. 9 Smithville formation near Iowa Mine 2 m. N. of Smithville, Lawrence Co., Oklahoma; *C. funatum* **sp. nov.** p. 34 pl. 12 f. 6–8 Cotter formation near Chadwick, Christian Co., Missouri, ULRICH, FOERSTE, MILLER & FLOWER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942.

†*Deltoidonautilus elliotti* **sp. nov.** Bluffs along Ridge Creek about 1 m. above the Missouri, Kansas and Texas Railroad trestle and the County road bridge 6·2 m. W. of Smithville, Bastrop Co., Texas, H. B. STENZEL Univ. Texas Bull. Austin **3945** 1939 p. 759 pl. 38 f. 1–6 pl. 39 f. 1, 2 text-figs. 123 (2), 124 (2).

†*Domatoceras kleikegei* **sp. nov.** Pennsylvanian, Missouri, A. K. MILLER, J. H. LANE & A. G. UNKLESBAY Paleont. Contr. Univ. Kansas **2-3** 1947 Art. 2 p. 9 pl. 5 f. 1–6.

†*Ephippioceras inexpectaris* **sp. nov.** Camp Creek Shale, Pueblo formation (Permian) 1·2 m. S. and 0·6 m. W. of mouth of Saddle Creek, McCulloch Co., Texas, A. K. MILLER & W. YOUNGQUIST Paleont. Contr. Univ. Kansas **2-3** 1947 Art. 1 p. 5 pl. 2 f. 1–4.

†*Entrephoseras berryi* **sp. nov.** Castle Hague limestone, Eocene, Wilmington, North Carolina, p. 27 pl. 7 f. 1, 2; *E. johnsoni* Eocene, Prairie Creek, Alabama, p. 32 pl. 18 f. 1, 2; *E. marksi* Eocene, Keru Co., California, p. 33 pl. 20 f. 1, 2; *E. oregonense* Oligocene at Dallas, Polk Co., Oregon, p. 34 pl. 21 f. 1, 2; **spp. nov.**, A. K. MILLER Mem. Geol. Soc. Amer. Washington, D.C. **23** 1947.

†*Eutrephoceras reesidei* **sp. nov.** Tertiary about 3½ m. E. of Leona, Leon Co., Texas, H. B. STENZEL Univ. Texas Bull. Austin **3945** 1939 p. 738 pl. 35 f. 5–7 text-fig. 115 (7); *E. planoventer* **sp. nov.** Nacatoch Sand ⅗ to ⅘ m. N.E. of Chatfield, Texas, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 397 pl. 75 f. 1–6 pl. 76 f. 9–11.

†*Floweroceras* **gen. nov.** Nautilacea, genotype *F. borealex* **sp. nov.** Ordovician, Hudson Bay, in light brown dolomite boulder at Battery Point just N.W. of Churchill, Manitoba, A. K. MILLER & W. YOUNGQUIST J. Paleont. Menasha, Wis. **21** 5 1947 p. 413 pl. 55 f. 1–5.

†*Fremontoceras jewetti* **sp. nov.** Trenton Limestone (Ordovician), Trenton Falls, New York, Jewett Coll. Cornell University, R. H. FLOWER J. Paleont. Menasha, Wis. **21** 5 1947 p. 432 pl. 59 f. 5, 7.

†*Heminautilus etheringtoni* Nuclear whorls, J. W. DURHAM **286**.

†*Hercoglossa watteri* p. 62 pl. 46 f. 1, 2 Clayton formation (Paleocene Midway Group) 13 m. N.E. of Kimbrough, Wilcox Co., Alabama; *H. waringi* p. 63 pl. 73 f. 5, 6, Upper Eocene (Bartonian), Bontour Point, Trinidad, B.W.I.; **spp. nov.**, A. K. MILLER Mem. Geol. Soc. Amer. Washington, D.C. **23** 1947; *Hercoglossa gardnerae* **sp. nov.** Tertiary, south side of Cuero Creek about 4½ m. up from San Antonio outpost, southern Maverick Co., Texas, H. B. STENZEL Univ. Texas Bull. Austin **3945** 1939 p. 743 pl. 36 f. 1, 2 text-figs. 116 (3), 117 (1).

†*Jeholoceras* **gen. nov.** p. 315 Nautilacea, genotype *J. robustum* **sp. nov.** p. 316 pl. xxx f. 1–5 pl. xxxi f. 6 Tourangian, Japan, T. KOBAYASHI & J. MATUMOTO Jap. Jour. Geol. Geog. **18** 4 1942.

†*Knightoceras abundum* **sp. nov.** ½ m. N.E. of Sugar Creek Sta. just N.E. of Kansas City, Missouri, A. K. MILLER, J. H. LANE & A. G. UNKLESBAY Paleont. Contr. Univ. Kansas **2-3** 1947 Art. 2 p. 6 pl. 3 f. 1–4 text-fig. 2.

Koninckioceras bibbi **sp. nov.** an internal mold, "Alligator hole" Miller Creek 12 m. S.E. of Seymour, Baylor Co., Texas (Lower Permian), A. K. MILLER & A. H. KEMP J. Paleont. Menasha, Wis. **21** 4 1947 p. 353 pl. 51 f. 1, 2.

†*Lambeoceras kronlundi* **sp. nov.** Upper Ordovician dolomite along Knife River some 35 m. above its mouth, northern Manitoba, Ordovician, Hudson Bay, A. K. MILLER & W. YOUNGQUIST J. Paleont. p. 416 pl. 54 f. 1, 2.

†*Linormoceras* **gen. nov.** Nautilacea, genotype *L. centrale* Toufangian, Japan, T. KOBAYASHI & T. MATUMOTO Jap. J. Geol. Geog. **18** 4 1942 p. 314 pl. xxxi f. 7–9.

†*Manitoboceras* **gen. nov.** Nautilacea, genotype *M. hudsonense* **sp. nov.** Ordovician, Hudson Bay in boulder of light brown dolomite at Battery Point, just N.W. of Churchill, Manitoba, A. K. MILLER & W. YOUNGQUIST J. Paleont. Menasha, Wis. **21** 5 1947 p. 414 pl. 55 f. 6–10.

†*Metacoceras jacksonense* p. 7 pl. 1 f. 9; *M. mutabile* p. 8 pl. 1 f. 5–8; **spp. nov.** Winterset Limestone, Miami Co., East Central Kansas, A. K. MILLER, J. H. LANE & A. G. UNKLESBAY Paleont. Contr. Univ. Kansas **2-3** 1947 Art. 2.

†*Nautilus flammeus* **sp. nov.** Scefscel, Libya (Neocretaceous), C. R. RONCHETTI Rev. ital. Paleont. Milan **53** 4 1947 p. 154 text-fig. 3; *N. blakei* **sp. nov.** from the Upper Oligocene of Ramle, Palestine, M. AVNIMELECH J. Paleont. Menasha, Wis. **21** 5 1947 pp. 476–477 pls. 70, 71 text-fig. 3; *N. leonei* **sp. nov.** Paleogene, Fezzan, L. NEGRI Min. Sci. R. Accad, Ital. a Cufra (1931—IX) Roma **3** 1934 p. 175 text-fig. 6; *N. stricteumbilicatus* **sp. nov.** Oligocene,

Turkey, V. Stchepinsky Madcu Tethik ve Ankara **30** 1942 pp. 231, 245 pl. iii f. 3–5 pl. iv f. 4; *N. libanoticus* Foord & Crick from the Senonian of Palestine, M. Avnimelech **54**; *N. libanoticus* figs. (type of *Syrionautilus* Spath) in the Semonian Chalk of Innobe, M. Avnimelech **55**.

†*Pachecdyceras* **gen. nov.** Nautilacea, genotype *P. murale* **sp. nov.** Ordovician, New York from the Chazy Limestone, Chazy, Lewett Coll. Cornell University, R. H. Flower J. Paleont. Menasha, Wis. **21** 5 1947 pp. 429, *430* pl. 59 f. 2–3, 6 text-fig. 1.

†*Pionoceras* **gen. nov.** Plectoceratidae, genotype *Nautilus pomponius* Billings p. 64; *P. smithvillense* p. 65 pl. 12 f. 1, 2 pl. 18 f. 1–3 Smithville Limestone, Graceland Mines 4 m. N.W. of Smithville, Lawrence Co., Arkansas; *P. vokesi* p. 66 pl. 42 f. 4 pl. 44 f. 1–3 pl. 45 f. 1, 2 Cassin formation, Fort Cassin, Addison Co., Vermont; *P. swartzi* p. 66 pl. 43 f. 3–5 Bellefonte formation, Boalsburg, Center Co., Pennsylvania; **spp. nov.**, Ulrich, Foerste, Miller & Flower Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942.

Proterocameroceratidae Flower 1946 p. 80 endoceroids Bull. Amer. Paleont. **29** 116 656 pp. 50 pls. 22 figs. Ordov. Ceph. of the Cincinnati region, R. H. Flower **329**.

†*Solenochilus missouriensis* **sp. nov.** Winterset Limestone in Missouri River bluff ½ m. N.E. of Sugar Creek Sta. N.E. of Kansas City, Missouri, A. K. Miller, J. H. Lane & A. G. Unklesbay Paleont. Contr. Univ. Kansas **2-3** 1947 p. 10 pl. 4 f. 3, 4.

†*Tainoceras clydense* **sp. nov.** Clyde formation, Old Military Crossing = *T. quadrangulum* (McChesney) Hyatt 1893, A. K. Miller & A. H. Kemp J. Paleont. Menasha, Wis. **21** 4 1947 p. 352.

†*Tofangocerina nanpiaoensis* **sp. nov.** Tonfangian, Japan, T. Kobayashi & T. Matumoto Jap. J. Geol. Geogr. **18** 4 1942 p. 313 pl. xxxi f. 10–12.

†*Tylonautilus nodiferus* (Armstrong) from Millstone Grit of Greenbank Fell, E. of Lancaster, pl. III Pr. L'pool Geol. Soc. **19** 3 1946, J. W. Jackson **477**.

†*Vorticoceras* **gen. nov.** Nautiloidae, genotype *V. stantoni* **sp. nov.** Holotype in the U.S. Nat. Mus. Washington, D.C., Diertis Limestone of the Trinity Group, Arkansas, G. Scott Univ. Texas Bull. Austin **3945** 1939 pp. 1074, 1076 pl. 68 f. 4, 5 text-fig. 179.

†*Woodringia* **gen. nov.** Hercoglossidae, genotype *W. splendens* **sp. nov.** uppermost bed of the Wills Point formation, Midway Group (Paleocene) of Navarro Co., Texas, H. B. Stenzel Univ. Texas Bull. Austin **3945** 1939 pp. 753, *755* pl. 35 f. 1–3 text-figs. 120 (1), 121 (1, 3).

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†*Necroteuthis* **gen. nov.** Necroteuthidae **fam. nov.** Dibranchiata for *N. hungarica* **sp. nov.** Oligocene, Buda-Pest, M. Kretzoi Mag. K. földt. Irt. Evk. Pest **72** 1 3 1942 p. 126 f. 10.

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†*Sepia lörentheyi* **nom. nov.** = *mediterranea* Lörenthey 1911 non Ninni 1885 Ath. Soc. Yen-Trent Sc. N. Padova p. 158, M. Kretzoi Mag. K. fölst. Irt. Evk. Pest **72** 1 3 1942 p. 124.

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†*Acanthoplites rochi* = *A. milletianus* var. *sinzowi* E. Roch 1926 non *A. sinzowi* Kasansky 1914; *A. andersoni* = *A. spathi* Anders, 30 Nov. 1938, non Dutertre, 28 Nov. 1938, **nomm. nov.**, M. BREISTROFFER Teav. Lab. Geol. Univ. Grenoble **26** 1947 p. 82; *Acanthohoplites grandensis* Blue marls Cuchillo formation, West Texas, p. 1053 pl. 59 f. 1, 2 text-fig. 168; *A. dunlapi* 'lower Glen Rose' Central Texas, at Jacob's Well, Hays Co., p. 1058 pl. 61 f. 1, 2 text-fig. 169; **spp. nov.** Cretaceous, Texas, G. SCOTT Univ. Texas Bull. Austin **3945** 1939.

†*Aktubinskia* **gen. nov.** Genoholotype *Aktubinskia notabilis* (Ruzhencev) p. 641 (Arfin layer), V. E. RUZHENCEV C.R. Acad. Sci. Moscow **56** 6 1947 pp. 639–672.

†*Allopiloceras affine* p. 27 pl. 3 f. 9, 10 Cotter horizon, Knox dolomite near Mascot, Knox Co., Tennessee; *A. baylorense* p. 28 pl. 36 f. 7–10 Upper Canadian El Paso Limestone 4 m. E. of Cannon's ranch, Culberson Co., Texas; *A. breve* p. 28 pl. 4 f. 5, 6 Knox dolomite near Washburn, Grainger Co., Tennessee; *A. compressum* p. 30 pl. 4 f. 7, 8 Cotter horizon, Knox dolomite, near Seymour, Sevier Co., Tennessee; *A. erectum* p. 31 pl. 5 f. 7, 8 pl. 4 f. 1–4; *A. sevierense* p. 32 pl. 3 f. 1–7; *A. subrectum* p. 32 pl. 4 f. 14–21; *A. subunguliforme* p. 33 pl. 4 f. 9–13; *A. unguliforme* p. 34 pl. 2 f. 1, 2 **spp. nov.** Knox dolomite, Frundles Cross Roads near Seymour, Sevier Co., Tennessee, U. F. & M. Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Amoleceras* **gen. nov.** p. 115 Pervinquieridae, type *A. abjectum* **sp. nov.** p. 116 f. 99–103 Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navarsing, Bloemfontein **1** 4 1942 (Nov. 20).

†*Ampthillia* **subgen. nov.** of *Perisphinctes*, genotype *P.* (*A.*) *ampthillensis* **sp. nov.** Corallian Lincolnshire, W. J. ARKELL Monogr. Palaeont. Soc. London **13** 1947 p. 359 pl. lxxv f. 7 a–b, 8 a–c.

†Anahoplitidae **nom. nov.** = Hoplitidae Hyatt 1900 Uhl. em. Spath, type gen. = *Anahoplites* Hyatt 1900, genotype *Ammonites planus* Mant 1822, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 100.

†*Anaklinoceras* **gen. nov.** Turrilitidae genotype *A. reflexum* **sp. nov.** Neylandville marl 2½ m. N. of Corbet, Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 414 pl. 83 f. 1–5.

†*Aphetoceras evolutum* p. 21 pl. 4 f. 8 Cotter formation [Pleistocene] 8 m. E. of Pomona, Howell Co., Missouri; *A. oderi* p. 22 pl. 3 f. 6, 7 pl. 4 f. 3 Cotter horizon N.W. of Morristown, Hamblen Co., Tennessee; *A. ruedemanni* p. 23 pl. 3 f. 1, 2 Ogdensburg formation, St. Lawrence Co., New York; *A. subcostulatum* p. 23 pl. 2 f. 1–3 pl. 3 f. 3–5 pl. 4 f. 4 Jefferson City formation, southern Missouri, **spp. nov.** Ozurkian, U. F. M. & F. Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942.

†*Arcthoplites subquadratus gallica* **var. nov.** Albian, Europe, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 85.

†*Arestoceras* **gen. nov.** p. 118 Arestoceradidae, type *A. collinum* **sp. nov.** p. 119 f. 104–109; *A. undosum* p. 120 f. 110; *A. rugosum* p. 121 f. 111, 112; **spp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 4 1946 (Nov. 20).

Arestoceratidae **fam. nov.**, type *Arestoceras* **gen. nov.** [q.v.] Ammonitacea, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 4 1946 p. 117.

†*Arianites* (*Meropella*) *plejanae* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verh. naturf. Ges. Basel **58** 1947 p. 79.

Arietites (*Arnioceras*) *italicum angustisulcates* **var. nov.** p. 173 pl. iii f. 17 ; *A.* (*Arn.*) *ellipticum* **sp. nov.** p. 174 pl. iv f. 4 Lias, Hungary, J. KOVÁCS Geol. Hung. Sci. Pal. **17** 1942.

†*Arkoceras* **gen. nov.** Trocholitidae, genotype *A. exiguum* **sp. nov.** Southville Limestone 1½ m. N.E. of Southville, Lawrence Co., Arkansas pp. 68, 69 pl. 12 f. 3–5 pl. 43 f. 1, 2, U. F. M. & F. Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942.

†*Asklepioceras segmentatum liguriensis* **var. nov.** Trias, Greece, C. & O. RENZ Ecl. geol. helv. **39** 2 1946 p. 172 pl. xii f. 3, 3a.

†*Askoloboceras* **gen. nov.** Brancoceratidae, type *A. fastigatum* **sp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 5 1944 (31 March) p. 185 pl. xxvi f. 16–18.

†*Ataxioceras kurisakense* **sp. nov.** Jurassic, Nippon, T. KOBAYASHI & A. FUKADA Japan. J. Geol. Geog. **20** 2–4 1947 46 pl. xi f. 2–3.

†*Ataxioceras polyplocum* (Rein.) *lothari* (Oppel.), *effrenatum* Font., *inconditum* Font., *hypselocyclum* Font., *discobolum* Font. from the Sequanian, Mt. Reculet, figs., P. BUTTICAZ **170.**

†*Atractites beticus* **sp. nov.** Lias, Sierro Elvira, Granada, B. M. MELENDEZ Bol. Soc. esp. Hist.-nat. Madrid **44** 9–10 1947 p. 573 text-fig. pl. xxxiv.

†*Axonoceras* **gen. nov.** Cosmoceratidae, genotype *A. compressum* **sp. nov.** p. 422 pl. 89 f. 1–5 Neylandville marl 2½ m. N. of Corbet ; *A. multicostatum* **sp. nov.** p. 423 pl. 89 f. 9–11 ; *A. multicostatum rotundum* **var. nov.** p. 424 pl. 89 f. 12–14 Neylandville marl 2½ m. N. of Corbet, Texas, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Artioceras* **gen. nov.**, genoholotype *Artioceras rhipaeum* (Artin layer) (Ruzhencev) p. 671, V. E. RUZHENCEV C.R. Acad. Sci. Moscow 56 6 1947 pp. 639–672.

†*Bactrites* ? *collinsi* **sp. nov.** Conemaugh series, Pennsylvania, A. K. MILLER & A. G. UNKLESBAY Ann. Carnegie Mus. Pittsburg **30** 18 1947 p. 324 pl. 1 f. 1, 2 ; *Bactrites* ? *wintersetensis* **sp. nov.** Pennsylvanian, Missouri, A. K. MILLER, J. H. LANE & A. G. UNKLESBAY Paleont. Contr. Univ. Kansas **2-3** 1947 Art. 2 p. 4 pl. 1 f. 4.

†*Baculites claviformis* Nacatoch Sand, vicinity of Kaufman p. 403 pl. 1 pl. 77 f. 6–8 pl. 78 f. 1–6 ; *B. undatus* Neylandville marl 2½ m. N. of Corbet p. 405 pl. 79 f. 5–10 ; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin 4101 1941.

†*Barriasella jacobi* p. 54 pl. iv f. 1a–5b Tithonian, Chomérac ; *B. moreti* p. 61 pl. v. f. 1a–3c Tithonian Vogüé ; *B. garnieri* p. 69 pl. v f. 13a–c Upper Tithonian, Claps-de-Luc ; *B. alpillensis* p. 73 pl. vi f. 22a–c ; *B. culareusis* p. 75 pl. viii f. 1a–2 Upper Tithonian, d'Aizy ; *B. aspera* p. 84 pl. ix f. 2a–3b ; *B. aizyensis* p. 86 pl. ix f. 4a–6b pl. x f. 1a–c, Aizy ; *B. gignouxi* p. 87 pl. x f. 6a–b, d'Aizy Tithonian, S.E. France ; *B. broussei* p. 91 pl. xi f. 4a–b, 6a–b pl. xii f. 5a–b, Ginestous ; *B. paramimouna* p. 92 pl. xi f. 1a–b pl. xii f. 2a–b, Noyers-sur-Jabron ; *B. bockianensis* p. 114 pl. xix f. 9a–b, La Faurie ; *B. subisaris* p. 119 pl. xix f. 1a–2b, La Faurie ; *B. jabronensis* p. 120 pl. xviii f. 1a–c pl. xix f. 8a–b, Noyers-sur-Jabron ; *B. paramacilenta* p. 127 pl. xx f. 1a–4b pl. xxi f. 1, Noyarey ; *B. jauberti* p. 132 pl. xxi f. 6a–8b, La Faurie ; *B. grandis* p. 133 pl. xxii f. 3a–b, 6a–b, Chevallon ; *B. simplicicostata* p. 135 pl. xxii f. 1, 2, 5a–b, La Faurie ; *B. ardescensis* p. 136 pl. xxiii f. 6a–c Chomérac ; *B. consanguinoides* p. 138 pl. xxiii f. 1a–2b, La Césterne ; *B. gallica* p. 140 pl. xxiii f. 3a–4b, La Faurie ; Berriasian fossils of S.E. France ; **spp. nov.**, G. MAZENOT Mém. Soc. Géol. Fr. Paléont. **41** 1939.

†*Barroisicoras* (*Solgeristes*) *congoensis* p. 125 **sp. nov.** Congo Coniacian, Pointe Milango 10 km. N. of Sette Cama ;

S. (?) *laevis* p. 125 pl. ix f. 1, 1a–b; **sp. nov.** Conacian, Madagascar, É. BASSE Ann. Paléont. Paris **33** 1947; *B.* (*Forresteria*) *ampozaloakaense* p. 131 pl. ix f. 4 **sp. nov.** Conacian, Madagascar, É. BASSE Ann. Paléont. Paris **33** 1947; *B. onilahyense* **sp. nov.** Madagascar p. 100 pl. i–v pl. vi f. 1–4 pl. vii f. 1, 1a pl. viii f. 1, 2; *B. iberiense* **sp. nov.** Spain p. 118 pl. vi f. 7, 7a pl. vii f. 2, 3; **spp. nov.** Conacian, E. BASSE Ann. Paléont. Paris **33** 1947; *B.* (*Harlestes*) ? *bruggeni* p. 141 Peru; *H.* (?) *manasoaensis* S. Malache p. 141 pl. ix f. 5 **spp. nov.** Conacian, É. BASSE Ann. Paléont. Paris **33** 1947.

†*Barroisiceras grossourrei* pp. 85, **122**, *B. brüggeni* pp. 85, *123* **spp. nov.** Mesozoic, Peruvian Andes, M. M. KNECHTEL John Hopkins Univ. Stud. Geol. Baltimore **15** 1947; *B. onilakyense* "n. sp." p. 72 [**nom. nud.**], É. BASSE **92**.

Beekmanoceratidae **fam. nov.** for *Beekmanoceras* Ulrich & Foerste 1936 of which the genotype is *B. priscum* (Ruedemann), ULRICH, FOERSTE & MILLER Sp. Ppr. Geol. Soc. Amer. Washington, D.C. **49** 1943 p. 156 pl. 70 f. 17–21.

†*Beudanticeras hatchetense* **sp. nov.** Cretaceous, Little and Hatchet Mts., New Mexico, G. SCOTT Univ. Texas Bull. Austin **3945** 1939 p. 1000 pl. 56 f. 3, 4, 5; *B.* ? *robustum* **sp. nov.** Cretaceous, Peel River, Lower Mackenzie Valley, P. S. WARREN J. Paleont. Menasha, Wis. **22** 2 1947 p. 122 pl. 30 f. 7, 8.

†*Beudantiella* **nom. nov.** = *Gophinoceras* Whiteh. 1929 non Hyatt 1900—Puzosiidae Breistr., M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 99.

†*Brancoceras quenstedti* **sp. nov.** Middle Albian, Peruvian Andes, M. M. KNECHTEL John Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 84, *103* pl. xxi f. 5 a–b text-fig. 7.

†*Bridgeoceras* **gen. nov.** [Cyclostomiceratidae], genotype *Bridgeoceras subannulatum* **sp. nov.** Upper Ozarkian near Point Lewis, Lewis Co., Quebec, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943 p. 59 pl. 54 f. 7, 8.

†*Buehleroceras* **gen. nov.** [Cyclostomiceratidae], genotype *B. compressum* **sp. nov.** Oneota dolomite between Boscobel and Fennimore, Grant Co., Wisconsin, ULRICH; FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943 p. 60 pl. 35 f. 1–4; *B. apertum* p. 61 pl. 35 f. 9, 10 pl. 36 f. 5, 6 Gasconade dolomite, S.E. Missouri; *B. luthei* p. 62 pl. 35 f. 5–8 Oneota dolomite near McGregor, Clayton Co., Iowa; *B. modestum* p. 62 pl. 36 f. 1–4 Oneota dolomite 8 m. S.W. of Mascoda, Grant Co., Wisconsin; **spp. nov.**, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Beyrichites praematurus*; *B. laurae*; **spp. nov.** Lower Trias, C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 76.

†*Bostrychoceras* ? *desioi* p. 103 pl. iv f. 1 a–c text-fig. 2; *B.* ? *libycum* p. 107 pl. iv f. 3–5; **spp. nov.** Neocretaceous, Libya, C. R. RONCHETTI Rev. ital. Paleont. Milan **53** 3 1947.

†*Brodiceras cheechiai* **sp. nov.** Montcelio, C. MAXIA Boll. Soc. Geol. ital. **62** 1944 p. 102 pl. ii f. 3, 3a.

†*Burenoceras angulare* p. 65 pl. 37 f. 25, 26 Van Buren formation about 1 m. E. of Eminence, Shannon Co., Missouri; *B. compressum* p. 66 pl. 37 f. 4, 5 Van Buren formation 1 m. E. of Eminence; *B. curticei* p. 67 pl. 38 f. 1–4 Oneota dolomite near Minneiska, Wabasha Co., Minnesota; *B. dickhauti* p. 68 pl. 37 f. 10, 11 Van Buren formation 1 m. E. of Eminence, Shannon Co., Missouri; *B. dilatatum* p. 68 pl. 38 f. 7, 8 Ellenburger Limestone in East Deep Creek 3½ m. N. of the Atkinson Ranch, San Saba Co., Texas; *B. huzzahense* p. 69 pl. 37 f. 23, 24 Gasconade dolomite near entrance of Dry Creek into Huzzah Creek about 10 m. E. of Steelville, Crawford Co., Missouri; *B. minor* p. 70 pl. 38 f. 5, 6 Oneota formation 1½ m. N. of Albany, Green Co., Wisconsin; *B. oneotense* p. 70 pl. 37 f. 14–17 Oneota dolomite near Prairie du Chien, Crawford Co., Wisconsin; *B. peramplum* p. 71 pl. 38 f. 9–11 Chepultepec dolomite ½ m. N.W. of Washburn Station, Grainger Co., Tennessee; *B. percompressum* p. 71 pl. 37 f. 1–3 Gasconade dolomite 10 m. N. of Eminence, Shannon Co., Missouri; *B. planiseptatum* p. 72 pl. 37 f. 32–35

Oneota formation, Mound Ridge, Vernon Co., Wisconsin; *B. texanum* p. 72 pl. 37 f. 6–9 Ellenburger Limestone, Llano–San Saba road 7·6 m. N. of Cherokee, San Saba Co., Texas; *B. undosum* p. 73 pl. 37 f. 20–22 Gasconade dolomite 5 m. S. of Mansfield on road to Ava, Douglas Co., Missouri; *B. ungulatum* p. 73 pl. 37 f. 27–31 Oneota dolomite near Prarie du Chien, Crawford Co., Wisconsin; **spp. nov.**, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Cainoceras* **gen. nov.** Cainoceratidae Gault Ammonites, S. Africa, type *C. liberum* **sp. nov.** p. 128 f. 126–128; *C. subjectum* p. 129 f. 129; *C. scruposum* p. 130 f. 130, 131; *C. salebrosum* p. 131 f. 132, 133; *C. varium* p. 132 f. 134, 135; *C. planum* p. 132 f. 136, 137; *C. confragosum* p. 134 f. 139, 140; *C. angustidorsatum* p. 136 f. 141, 142; *C. scopulosum* p. 136 f. 143–145; *C. graniferum* p. 137 f. 146, 147; **spp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 4 (Nov. 20) 1946.

†Cainoceratidae **fam. nov.** type *Cainoceras* **gen. nov.** [q.v.] Gault Ammonites, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 4 1946 (Nov. 20) p. 127.

†*Calycoceras* (*eucalycoceras*) *jeanneti* **sp. nov.** Cretaceous, Menabe, Madagascar, M. COLLIGNON Ann. Géol. Serv. Mines, Madagascar **10** 1939 p. 74 pl. vi f. 1, 1a, b.

†*Campbelloceras brevicameratum* p. 44 pl. 19 f. 1–5 pl. 20 f. 2, 3 pl. 27 f. 1 Powell horizon 1½–2 m. N. of Bolar, near the S. edge of Highland Co., Virginia; *C. hyatti* p. 45 pl. 21 f. 2, 3 Cassin Limestone, Fort Cassin, Addison Co., Vermont; *C. mcgerriglei* p. 46 pl. 40 f. 4. S. Armand Limestone of Philipsbury, Missisquoi Co., Quebec, ULRICH, FOERSTE, MILLER & FLOWER, Sp. Pprs. Geol. Soc. Amer. Washington D.C. **37** 1942.

†*Cardioceras* (*Scoticadioceras*) *stella* p. 333 pl. lxxiii f. 4a, b text-fig. 112 Wiltshire Lower Calcareous Gait; **sp. nov.**, W. S. ARKELL Monogr. Palaeont. Soc. London **12** 1947.

†*Cardioceras cordatum* J. Sow. 1813 Min. Conch. G.B. **1** 51—summary of history of, zone of, fig. and suggested changes of holotype, A. J. ARKELL **44**.

†*Caseoceras* **gen. nov.** [Cyrtendoceratidae], genotype *Caseoceras contractum* **sp. nov.** Onesta horizon 5 m. N.W. of Hermansville, Menominee Co., Michigan, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943 p. 74 pl. 39 f. 1–4.

†*Caseoceras conicum* p. 75 pl. 40 f. 5, 6 Chepultepec dolomite 2½ m. E. of Jasper, Marion Co., Tennessee; *C. intermedium* p. 77 pl. 40 f. 7, 8 Onesta horizon 5 m. N.W. of Hermansville, Menominee Co., Michigan; *C. nitidum* p. 77 pl. 41 f. 1–7, 5 m. N.W. of Hermansville; *C.* ? *sequatchiense* p. 78 pl. 39 f. 5, 6 Chepultepec dolomite 2½ m. E. of Jasper, Marion Co., Tennessee; *C. subconicum* p. 78 pl. 40 f. 1–4 Gasconade dolomite 10 m. E. of Steelville, Crawford Co., Missouri; **spp. nov.** ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Cassinoceras arkansasense* **sp. nov.** Black Rock formation near Smithville, Lawrence Co., Arkansas, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943 p. 38 pl. 15 f. 3 pl. 16 f. 1–3.

†*Cayugoceras* **gen. nov.**, genotype *Gomphoceras semiclausum* Barrande (1865 pl. 88 f. 12–15), R. H. FLOWER Amer. Midl. Nat. Notre Dame **37** 1 1947 p. 250 pl. 1 f. 4–7.

Cayugoceras manni **sp. nov.** Cobleskill Limestone, Sehoharie, New York (Silurian), R. H. FLOWER Amer. Midl. Nat. Notre Dame **37** 1 1947 p. 252 pl. 1 f. 1–3.

†*Cechenoceras* **gen. nov.** p. 61, Cechenoceratidae **fam. nov.**, genotype *C. reversum* **sp. nov.** pp. 61, *62* f. 9–12; *C. magnum* **sp. nov.** p. 63 f. 13 and pl. viii; Gault, S. Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 3 1941.

†Cechenoceratidae **fam. nov.** for *Cechenoceras* **gen. nov.** [q.v.], E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 3 1941 p. 61.

†*Centrotarphyceras alpheusi* **nom. nov.** for *Tarphyceras farnsworthi* (Billings) part, p. 51 text-fig. 13; *C. powersi* Upper Canadian N.W. of Pushmataka Co., Oklahoma, p. 54 pl. 27 f. 5; *C. subundosum* p. 55 pl. 47 f. 43 Cassin Limestone, Fort Cassin, Addison Co., Vermont; *C. yellvillense* p. 55 pl. 14

f. 4 pl. 27 f. 6 pl. 30 f. 1 pl. 55 f. 1–3 Powell formation, Yellville, Marion Co., Arkansas; *C.* ? *bridgei* p. 56 pl. 31 f. 1, 2 Cotter horizon, Chestnut Ridge 4 m. S.E. of Harrisonburg on Elkton road, Rockingham Co., Virginia; **spp. nov.**, ULRICH, FOERSTE, MILLER & FLOWER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942.

†*Ceratites* from Sinai, L. F. SPATH **921**.

†*Cheloniceras helveticum* **sp. nov.** = *Douvilleiceras clansayense* Jacob & Tobl. 1906 non Jacob 1905, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 81.

†*Cheloniceras adkinsi* **sp. nov.** Cretaceous, Churchills formation, Mayfield Canyon where the Canyon enters the Rio Grande, G. SCOTT Univ. Texas Bull. Austin **3945** 1939 p. 1005 pl. 56 f. 8, 9.

†*Chioceras mitzopouloi*; *C. nodosus*; **spp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 74.

†*Clarkoceras affine* p. 81 pl. 29 f. 3, 4 Gasconade dolomite 8 m. N.E. of Eminence, Shannon Co., Missouri; *C. arcuatum* p. 81 pl. 43 f. 11–15 Gasconade dolomite west slope of Valley of Huzzah Creek opposite Oby 10 m. E. of Steelville, Crawford Co., Missouri; *C. buttsi* p. 82 pl. 44 f. 6, 7 Chepultepec dolomite 1 m. N.W. of McHenry's Ford on Powell River 3½ m. S.E. of Cumberland Gap, Tennessee; *C. calvini* p. 83 pl. 46 f. 11 Gasconade dolomite 10 m. E. of Steelville, Crawford Co., Missouri; *C.* ? *clelandi* p. 85 pl. 21 f. 5 pl. 45 f. 12 Tribes Hill Limestone 4 m. W. of Amsterdam, Montgomery Co., N.Y.; *C. confertum* p. 85 pl. 49 f. 3–4 Gasconade dolomite 10 m. E. of Sackville, Missouri; *C. crassum* p. 86 pl. 22 f. 1, 2 Gasconade formation, hill just N. of Venice 8 m. N.E. of Eminence, Shannon Co., Missouri; *C. cuneatum* p. 87 pl. 50 f. 3–5 10 m. E. of Steelville, Missouri; *C. curvatum* p. 88 pl. 46 f. 9, 10 Chepultepec dolomite about 2½ m. E. of Jasper, Marion Co., Tennessee; *C. expansum* p. 89 pl. 51 f. 5, 6 Onesta dolomite 8 m. S.W. of Muscoda, Grant Co., Wisconsin; *C. gracile* p. 89 pl. 43 f. 5–8 Onesta dolomite near Dresbach, Winona Co., Minnesota; *C. huzzahense* p. 90 pl. 43 f. 9, 10 Gasconade dolomite 10 m. E. of Steelville, Missouri; *C. inconstans* p. 90 pl. 46 f. 1, 2 Gasconade dolomite 2½ m. above entrance of Little Indian Creek into Meramec River, Franklin Co., Missouri; *C. jasperense* p. 91 pl. 45 f. 6, 7 Chepultepec dolomite 2½ m. E. of Jasper, Marion Co., Tennessee; *C. lawrencense* p. 91 pl. 44 f. 1 pl. 45 f. 11 Upper Ozark Limestone, Levis Co., S. Quebec; *C. levisense* p. 92 pl. 21 f. 1–3 Upper Ozarkian, Point Levis, Quebec; *C. magnisiphonatum* p. 94 pl. 50 f. 1, 2 Gasconade dolomite 10 m. E. of Steelville, Missouri; *C. minneiskense* p. 94 pl. 48 f. 9 Onesta dolomite near Minneiska, Wabusha Co., Minnesota; *C. modestum* p. 95 pl. 46 f. 4, 5 Gasconade dolomite 3 m. W. of Steelville, Crawford Co., Missouri; *C. mohawkense* p. 96 pl. 45 f. 12 Tribes Hill Limestone, East Canada Creek 24 m. W. of Fort Hunter, Montgomery Co., N.Y.; *C. multicameratum* p. 96 pl. 46 f. 6–8 Gasconade dolomite near head of Mill Creek, Carter Co., Missouri; *C. parvisiphonatum* p. 97 pl. 44 f. 5 Chepultepec dolomite Rockwood, Roane Co., Tennessee; *C. rectum* p. 97 pl. 21 f. 4 Gasconade dolomite 4.5 m. W. of Van Buren, Carter Co., Missouri; *C. ruguliferum* p. 97 pl. 46 f. 3 Ellenberger Limestone 4½ m. N. of Cheroku, San Saba Co., Texas; *C. subarcuatum* p. 98 pl. 48 f. 5–8 Gasconade formation, Crawford Co., Missouri; *C. subcrassum* p. 98 pl. 51 f. 1–4 Gasconade 10 m. E. of Steelville, Missouri; *C. subrectum* p. 99 pl. 49 f. 1, 2 Gasconade formation 10 m. E. of Steelville, Missouri; *C. vicinum* p. 100 pl. 43 f. 1–4 10 m. E. of Steelville, Crawford Co., Missouri; *C. whitehallense* p. 100 pl. 51 f. 7, 8 Upper Ozarkian 2 m. N.E. of Whitehall, Washington Co., N.Y.; **spp. nov.** ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Climactichnites wilsoni* Logan, tracks figs., T. H. CLARK & J. L. USHER **195**.

†*Clytoceras* **gen. nov.** Deltoceratidae, type *C. capax* **sp. nov.** Powell formation [Ozarkian] 2–3 m. S. of Yellville, Marion Co., Arkansas, ULRICH, FOERSTE, MILLER & FLOWER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942 p. 25 pl. 5 f. 1 pl. 6 f. 3, 4.

†*Coeloceras* (*Dactylioceras*) *martanense* **sp. nov.** Upper Lias, Lower Toarcian, Central Umbria, C. LIPPI-BONCAMBI

Rev. ital. Paleont. Milan **53** 4 1947 p. 142; *C.* (*Peronoceras*) *gemma bonarellii* **var. nov.**, C. MAXIA Boll. Soc. geol. ital. **62** 1944 p. 115 pl. iii f. 6.

†*Coelogasteroceras dubium* **sp. nov.** Conemaugh series, Western Pennsylvania, A. K. MILLER & A. G. UNKLESBAY Carnegie Mus. Pittsburgh **30** 18 1947 p. 320 pl. 1 f. 5, 6.

†*Colombiaticeras* **gen. nov.** Acanthoceratidae, genotype *C. bolivari* **sp. nov.** Barremian, Betulia, Santander, Colombia, J. ROYO Y GOMEZ Serv. Geol. Nac. Colombia **6** 1945 pp. 469, 470 pl. lxxv f. 2.

†*Columbites dianae* p. 73; *C. bubulinae* p. 73; *C. graeco-americanus* p. 73; *C. levantinus* p. 74; **spp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verh. naturf. Ges. Basel **58** 1947.

†*Conocerina arrecta* p. 102 pl. 52 f. 1–4 Gasconade dolomite, Shannon Co., Missouri; *C.* ? *bassleri* p. 103 pl. 52 f. 9–12 Upper Ozarkian Chepultepec dolomite, Hagerstown, Washington, Co. Maryland; *C. beani* p. 103 pl. 53 f. 5–14 Oneota dolomite, Vernon Co., Wisconsin; *C. magna* p. 104 pl. 52 f. 7, 8 Ellenberger Limestone, San Saba Co., Texas; *C. missouriensis* p. 104 pl. 52 f. 13, 14 Gasconade dolomite 3 m. W. of Steelville, Crawford Co., Missouri; *C. obliqua* p. 105 pl. 52 f. 15, 16 Chepultepec dolomite 2½ m. E. of Jasper, Tennessee; *C. raaschi* p. 105 pl. 53 f. 1–4 Oneota dolomite ¾ m. N.W. of Harmony School, Genoa, Vernon Co., Wisconsin; *C. sublonga* p. 106 pl. 52 f. 5, 6 Gasconade formation 10 m. E. of Steelville, Crawford Co., Missouri; **spp. nov.** ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Cravensceratoides lirifer* **sp. nov.** from bullions in shale exposed in stream 670 yards 10° N. of E. from Hurdlow Farm, Upper Hulme, North Staffordshire Arnsbergian, Namurian age, R. G. S. HUDSON Proc. Yorks. Geol. Soc. Leeds **25** 6 1946 p. 380 pl. xxi f. 1–3, 5–7 text-figs. 1b, c.

†*Cuchillites* **gen. nov.** Parahoplitidae, genotype *C. evolutus* **sp. nov.** Blue marls, Cuchillo formation (Cretaceous), West Texas, G. SCOTT Univ. Texas Bull. Austin **3945** 1939 pp. 1050, *1051* pl. 64 f. 3, 4 text-fig. 167.

†*Cumberloceras* **gen. nov.** [Cyrtendoceratidae], genotype *C. buttsi* **sp. nov.** Longview Limestone, Chepultepec dolomite 4 m. S.E. of Cumberland Gap, Claiborne Co., Tennessee, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943 pp. 106, *107* pl. 54 f. 1, 2.

†*Cumberdoceras elwayense* **sp. nov.** Longview Limestone between Stuart and Cedar Creeks ½ m. N.E. of Elway Russell Co., Virginia, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943 p. 107 pl. 54 f. 5, 6.

†*Curtoceras* **gen. nov.** Trocholitidae, genotype *Lituites eatoni* Whitfield, ULRICH, FOERSTE, MILLER & FLOWER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942 p. 69.

†*Cyclolobus hoshanensis* **sp. nov.** Upper Permian, China, Y. C. SUN Contr. Geol. Inst. Nat. Univ. Peking **28** 1947 p. 43 pl. i f. 3.

†*Cyclostomiceras depressum* **sp. nov.** Smithville formation near Smithville, Lawrence Co., Arkansas, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943 p. 57 pl. 33 f. 1–12 pl. 34 f. 5, 6.

†*Dakeoceras corniculum* p. 109 pl. 56 f. 12, 13 Van Buren formation, Shannon Co., Missouri; *D. dilatatum* p. 110 pl. 56 f. 1–5 Van Buren formation, S.E. Missouri; *D. divergens* p. 111 pl. 56 f. 6, 7 Van Buren formation 8 m. E. of Eminence, Missouri; *D. magnisiphonatum* p. 111 pl. 56 f. 10, 11 Van Buren formation 8 m. E. of Eminence, Missouri; *D. perretrorsum* p. 111 pl. 55 f. 16–19 Van Buren formation near Eminence, Shannon Co., Missouri; *D. retrorsum* p. 112 pl. 55 f. 12–15 Van Buren formation 4.5–5 m. S. of Potosi, Washington Co., Missouri; *D. reversum* p. 113 pl. 55 f. 5, 6 Gasconade dolomite 102 m. S.W. of St. Clair, Franklin Co., Missouri; *D. separatum* p. 113 pl. 55 f. 25, 26 Gasconade dolomite along Little Indian Creek 10½ m. S. of St. Clair, Missouri; *D. undulatum* p. 114 pl. 55 f. 20–24 Van Buren formation 1 m. E. of Eminence, Shannon Co., Missouri; *D. vernonense* p. 114 pl. 55 f. 3, 4 Onesta dolomite, Genoa, Vernon Co., Wisconsin; **spp. nov.** ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Dalmasiceras toucasi* **sp. nov.** Upper Tithonian Chomérac, S.E. France, G. MAZENOT Mém. Soc. géol. Fr. Paléont. **41** 1939 p. 152 pl. xxiv f. 6a–12b.

†*Dalmasiceras djanelidzei* p. 161 pl. xxv f. 1a–4 d'Aizy; *D. subloevis* p. 169 pl. xxvi f. 5a–7c pl. xxvii f. 2a–3b Chomérac; *D. biplanum* p. 170 pl. xxvi f. 8a, b d'Aizy; **spp. nov.** Tithonian S.E. France; *D.* ? *blondeti* **sp. nov.** Berriasian Pas-de-la-Fosse, S.E. France, G. MAEZNOT Mém. Soc. géol. Fr. Paléont. **41** 1939 p. 177 pl. xxvi f. 2a–c, 3.

†*Decipia* (*Pomerania*) *dixoni* Ampthill Clay, Long Stanton, Cambs., p. 374 pl. lxxviii f. 4 text-fig. 134; *D.* (*P.*) *dewari* Ampthill Clay, Long Stanton, p. 375 pl. lxxviii f. 1a, b, 5a, b text-fig. 135; *D.* (*P.*) *marstonensis* Sponshot oolite, railway cutting between Strutton and Marston near Swindon p. 377 pl. lxxviii f. 8a, b **sp. nov.**, W. J. ARKELL Monogr. Palaeont. Soc. London **13** 1947.

†*Deiradoceras exilis* p. 78 f. 40, 41 and pl. xiv; *D. linguatum* p. 79 f. 42, 43; *D. recurvicostatum* p. 80 pl. xv; **spp. nov.** Gault, S. Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 3 1941.

†*Deiradoceras* v. Hoepen, type *D. prerostratum* Spath, E. C. N. VAN HOEPEN **435.**

†Deltoceratidae **fam. nov.** for *Clytoceras, Deltoceras, Aphatoceras, Pycnoceras, Shumardoceras* and ? *Barrandeoceras*, ULRICH, FOERSTE, MILLER & FLOWER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942 p. 14.

†*Desmophyllites ellsworthi* **sp. nov.** Mesozoic, Peruvian Andes, M. M. KNECHTEL John Hopkins Univ. Stud. Geol. Baltimore **15** 1947 p. 128 pl. xlvii f. 1–3.

†*Dinarites liatsikasi* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 75.

†*Discoscaphites roanensis* Kemp Clay $3\frac{1}{2}$ m. N.W. of Bazette p. 428 pl. 90 f. 1–4; *D. erucoideus* Nacatoch Sand $2\frac{1}{10}$ m. N.E. of Chatfield p. 427 pl. 91 f. 2–4; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin 4101 1941.

†*Diploceroides* **subgen. nov.**, subgenotype *Ammonites delaruei* Orb. Cret. France, M. BREISTROFFER Trav. Lab. Geol. Univ. Grenoble **26** 1947 p. 90.

†*Douvilleiceras cuchillense* p. 1009 pl. 59 f. 3, 4; *D. spathi* Mayfield Canyon with the last species p. 1012 pl. 58 f. 3 pl. 60 f. 6; *D. quitmanense* Mayfield Canyon p. 1014 pl. 61 f. 9, 10; **spp. nov.** Mayfield Canyon, not far above the confluence with the Rio Grande, G. SCOTT Univ. Texas Bull. Austin 3945 1939.

†*Drepanoceras crassicostatum* **sp. nov.** Gault, S. Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 3 1941 p. 83 f. 46–48.

Drepanoceratidae **fam. nov.** for *Drepanoceras* v. Hoepen and *Minoceras* **gen. nov.** [q.v.], E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 3 1941 p. 82.

†*Dufreynoya robusta* p. 1025 pl. 63 f. 8, 9 Travis Peak formation, Central Texas; *D. comalensis* p. 1026 pl. 60 f. 4, 5, ? Lower Glen Rose, Central Texas, **spp. nov.** Cretaceous, Texas, G. SCOTT Univ. Texas Bull. Austin **3945** 1939.

†*Eboroceras magnumbilicatum* **gen. et sp. nov.** Conacian, S.W. Madagascar, E. BASSE Bull. Soc. geol. Fr. **5 16** 1/3 1946 pp. 71, **73** pl. ii f. 2a, b text-fig. 2.

†*Ectenoceras arbucklense* p. 117 pl. 57 f. 7, 8 Upper Ozarkian part of the Arbuckle Limestone, Arbuckle Mountains, Carter Co., Oklahoma; *E. arcuosutum* p. 118 pl. 57 f. 3, 4 Chepultepec dolomite $2\frac{1}{2}$ m. E. of Jasper, Marion Co., Tennessee; *E. chepultepecense* p. 118 pl. 58 f. 6, 7 Chepultepec Limestone near Chepultepec, Blount Co., Alabama; *E. compressum* p. 119 pl. 57 f. 1, 2 Gasconade dolomite $10\frac{1}{4}$ m. S. of St. Clair, Franklin Co., Missouri; *E. ellipticum* p. 120 pl. 57 f. 28, 29 Van Buren formation 1 m. E. of Eminence, Missouri; *E. exile* p. 120 pl. 57 f. 24, 25 Gasconade dolomite 1 m. N. of Ramsay Post Office, Miller Co., Missouri; *E. higdonense* p. 121 pl. 57 f. 18, 19 Gasconade dolomite 1 m. W. of Higdon, Madison Co., Missouri; *E. laqueatum* p. 122 pl. 57 f. 9–11 Van Buren formation $10\frac{1}{2}$ m. S. of St. Clair, Franklin Co., Missouri; *E. longum* p. 122 pl. 57 f. 5, 6 Gasconade horizon, Ellenburger Limestone $4\frac{1}{2}$ m. N. of

Cherokee, Texas; *E. millsi* p. 123 Chepultepec dolomite 2½ m. S.E. of Jefferson City, Tennessee; *E. obliquum* p. 123 pl. 58 f. 16, 17 Oneota dolomite on Arbury Ridge in the town of Genoa, Vernon Co., Wisconsin; *E. pergracile* p. 124 pl. 57 f. 12–17 pl. 58 f. 5 Ellenburger Limestone on San Saba road 4·5–5 m. N. of Cherokee, San Saba Co., Texas; *E. perobliquum* p. 124 pl. 57 f. 20, 21 Upper Ozarkian, Chepultepec dolomite, Washington Co., Maryland; **spp. nov.**, Ulrich, Foerste & Miller Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Ectocentrites brevilobatus* p. 149 text-figs. 90–92; *E. lóczyi* p. 153 pl. v f. 3 text-figs. 93, 94; **spp. nov.** Lias, Hungary, L. Kovács Geol. Hung. Ser. Pal. **17** 1942.

†*Eogaudryceras turgidum*; *E. inaequale*; *E.* (?) *llosotaense* **spp. nov.** Albian, Europe, M. Breistroffer Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 74.

†*Eomeekoceras* **gen. nov.**, type *E. kwangsiensis* **sp. nov.** Upper Permian, Hoshan, Kwangsi, China, Y. C. Sun Contr. Geol. Inst. Nat. Peking **28** 1947 pp. 45, 46 pl. i f. 7 pl. ii f. 7, 8.

†*Eoscaphites* **subgen. nov.** of *Simocosmoceras*, subgenotype *Ammonites circularis* J. de C. Sow. 1836, M. Breistroffer Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 93.

†*Eotetragonites* **gen. nov.** p. 72 for *Lytoceras* (*Tetragonites*) *depressus* Rasp. *E. jacobi ambigua* **var. nov.** p. 72; *E. blieuxiensis*; *E. plurisulcatus*; **spp. nov.** Albian Europe, M. Breistroffer Trav. Lab. Géol. Univ. Grenoble **26** 1947.

†*Eotetragonites raspaili* **nom. nov.** = *Ammonites depressus* Rasp. 1866 non Brug. 1789 De La Beche 1832 nec Schloth. 1820, Ziet 1830, Roem. 1835 nec v. Buch 1832 nec Pasch 1837, etc., M. Breistroffer Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 99.

†*Eremoceras conoidale* p. 127 pl. 60 f. 3, 4 Gasconade dolomite 8 m. N. of Eminence, Shannon Co., Missouri; *E. difficile* p. 128 pl. 61 f. 1 Oneota dolomite, Vernon Co., Wisconsin; *E. gasconadense* p. 128 pl. 61 f. 8–12 Gasconade dolomite 10 m. E. of Steelville, Crawford Co., Missouri; *E.* ? *luthei* p. 129 pl. 59 f. 1, 2 Oneota dolomite in the vicinity of McGregor, Clayton Co., Iowa; *E.* ? *marylandicum* p. 129 pl. 60 f. 1, 2 Upper Ozarkian, Chepultepec dolomite, Hagerstown, Washington Co., Maryland; *E. perdilatum* p. 130 pl. 59 f. 7–10 Gasconade dolomite near Steelville, Missouri; *E. subrectum* p. 130 pl. 61 f. 2–7 Steelville, Missouri; *E. teres* p. 131 pl. 60 f. 5–12 Oneota dolomite, Genoa, Wisconsin; *E. vernonense* p. 132 pl. 61 f. 13–15 Genoa, Wisconsin; **spp. nov.**, Ulrich, Foerste & Miller Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Eutherites kyŏngsangensis* **sp. nov.** p. 86 pl. xviii f. 1–5, 8–10; *E. k. huzitai* p. 85 pl. xviii f. 6; *E. k. medialis* p. 85 pl. xix f. 1–3; *E. k. paucilincata* p. 89 pl. xix f. 4–6; **vars. nov.**; *E. naktongensis* **sp. nov.** p. 90 pl. xviii f. 7 Cretaceous, Tsushima Basin, Japan, Kobayashi & Kobi Jap. J. Geol. Geogr. **20** 2–4 1947.

†*Euaspidoceras faustum* (Bayle) fig. Sequanian, French Jura, P. Butticaz **170**.

†*Eulophoceras berryi* **sp. nov.** Mesozoic, Peruvian Andes, M. M. Knechtel Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 85, *125*.

†*Eumorphoceras hudsoni* **sp. nov.** in Carla Beck, Carleton-in-Craven, near Skipton, Yorks, Pendleian, Namurian, W. D. Gill Proc. Leeds phil. lit. Soc. **5** 1 1947 p. 62; *E. stubblefieldi* p. 420 pl. xxiv f. 3 pl. xxv f. 1 text-figs. 23, 24B, 30 F–G, Carleton-in-Craven, Skipton; *E. angustum* p. 424 pl. xxiv f. 1, 7 text-fig. 26 Malham; **spp. nov.** Namurian, Yorks, E. W. J. Moore Proc. Yorks Geol. Soc. Leeds **25** 6 1946.

†*Euphyllites ovatus* **sp. nov.** Lias, Hungary, L. Kovács Geol. Hung. Ser. Pal. **17** 1942 p. 124 pl. ii f. 14 text-figs. 78, 79.

†*Eurystomites avensis* p. 60 pl. 20 f. 1 Cotter formation S.E. of Ava, Douglas Co., Missouri; *E. bolarensis* p. 61 pl. 36 f. 4–6 pl. 37 f. 5–6 Powell horizon S.E. edge of Highland Co., Virginia; **spp. nov.**, Ulrich, Foerste & Miller Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942.

†*Flemingites pseudorusselli* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. Renz Verb. naturf. Ges. Basel **58** 1947 p. 76.

†*Fuciniceras acutidorsatum* **sp. nov.** Lias, Hungary, L. KOVÁCS Geol. Hung. Ser. Pal. **17** 1942 p. 197 pl. iv f. 10 text-figs. 105, 106.

†*Gastrioceras stinolobum* **sp. nov. 721.** N. H. ODHNER Sci. Res. N. Antarct. Exped. 1927–28 Oslo **2** 21 1944.

†*Gattendorfia bransoni* **sp. nov.** Caballero formation (Mississippian), Otero Co., New Mexico, A. K. MILLER & W. YOUNGQUIST J. Paleont. Menasha. Wis. **21** 2 116 pl. 28 f. 8–10.

†*Girtyoceras deani* p. 399 pl. xxv f. 7 pl. xxvii f. 1 pl. xxvii f. 4 text-fig. 8 ½ m. W. of New Field Edge ; *G. simplex* p. 400 pl. xxii f. 2 text-fig. 9½ m. W. of New Field Edge ; *G. premeslerianum* p. 401 pl. xxv f. 4 pl. xxvi f. 6 text-fig. 10 ½ m. W. of New Field Edge ; *G. platyforme* p. 403 pl. xxv f. 8 text-fig. 11 R. Ribble, Dinckley ; *G. coudalense* p. 406 pl. xxvi f. 1, 2 text-fig. 12 Coudale Clough, Barnoldswick ; *G. weetsense* p. 408 pl. xxii f. 1, 5 pl. xxvii f. 3 text-figs. 14, 15 Barnoldswick ; *G. multicamaratum* p. 411 pl. xxiii f. 1, 4, 5 text-figs. 16, 30 B. C near Dinckley Ferry, Lancs. ; *G. shorrocksi* p. 413 pl. xxii f. 4–6 pl. xxiv f. 4, 5 text-figs. 17, 18, 30A near Dinckley Ferry, Lancs. ; *G. waitei* p. 415 pl. xxiii f. 8 pl. xxvi f. 7 text-fig. 29 200 yards E. of Hill Cloughs, Barnoldswick, Lancs. ; **spp. nov.** Visian and Lower Namurian, E. W. J. MOORE Proc. Yorks. Geol. Soc. Leeds **25** 6 1946.

†*Gloyioceras* **gen. nov.** p. 21, type *Kohliarseni* **sp. nov.** p. 22 Upper Aptian, Annenkov Island, N.E. Coast, O. WILCKENS Abk. Senchb. naturf. Ges. **474** 1947.

†*Goliathiceras* (*Pachycardioceras*) *nitidum* Wiltshire, Calcareous Grit, Calne p. 334 pl. lxxi f. 9 and lxxiii f. 10 text-fig. 120 ; *G.* (*P.*) *buckmani* Cowley, Oxford, p. 336 text-fig. 119 ; *G. reptilum compressum* p. 336 pl. lxxi f. 8a–b ; *G.* (*P.*) *magnacanthum* Yorkshire Ball Beds, Scarborough p. 337 pl. lxxi f. 4a–b text-fig. 120 ; *G.* (*P.*) *globulus* Yorkshire, Ball Beds, Cayton Bay, Scarborough, p. 340 pl. lxii f. 2a, b ; 4a, b ; 7a, b ; 12a, b text-fig. 120 ; *G.* (*Korythoceras*) *falcatum* Ball Beds, Scarborough, p. 341 pl. lxxiii f. 1a, b ; 8, 9 pl. lxxi f. 10a, b ; 11 text-fig. 123 ; *Goliathiceras* (*Goliathiceras*) *cyclops* Wiltshire Sand, Lower Calcareous Grit p. 346 pl. lxxiv f. 3–5 ; *Goliathiceras* (*s.g.* ?) *pavlovoides* Lower Calcareous Grit, Cayton Bay near Scarborough p. 347 pl. lxxii f. 6a, b text-fig. 123 ; **spp. nov.** Corallian, England, W. J. ARKELL Monogr. Palaeont. Soc. London **12** 1947.

†*Grabanites* **gen. nov.** [Gastrioceritidae,] type *Gastrioceras* (*Girtyites*) *lini* Gr. Upper Permian, China, Y. C. SUN Coul. Geol. Inst. Nat. Univ. Peking **28** 1947 p. 41 pl. i f. 1 pl. ii f. 1, 2.

†*Gyroaes pachiteanus* f. 3, 3a ; *G. singetwaldi* f. 1, 1a, 2 ; **spp. nov.** Rio Pachitea (Upper Cretaceous), Peru, H. A. PILSBRY Bol. Mus. Hist. nat. "J. Prado" **10** 36–37 [1947] p. 33 pl. i.

†*Hamatella* **nom. nov.** = *Helicoceras* Orb. 1840 non Koenig 1825, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 100.

†*Hamites annulatiforme* **nom. nov.** = *H. annulatus* Colligu 1932 non Deshay 1831 nec Brown 1937, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 93.

†*Hectococeras* of the Jurassic and Cretaceous of Greenland, L. W. SPATH **922.**

†*Hedenstroemia pityoussae* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 78.

†*Hellenites trickkalinoi* **n. sp.** = *Tropiceltites praematurus* Arthaber var. *H.* (*Pallasites*) *radiatus* and *striatus* **n. sp.** *H.* (*P.*) *striatus densicostata* **var. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 75.

†*Hesperoceras* [type] *laudoni* **gen. et sp. nov.** Caballero formation [Mississippian] in Deadman Branch, Alamo Canyon, Sacramento Mountains, New Mexico, A. K. MILLER & W. YOUNGQUIST J. Paleont. Menasha, Wis. **21** 2 1947 pp. 115, *116* pl. 27 f. 1–3.

†*Heterotissotia lissoni* **sp. nov.** Mesozoic, Peruvian Andes, M. M. KNECHTEL Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 84, *121.*

†*Himalayites* (*Corongoceras*) *rhodanicus* p. 230 pl. xxxvii f. 1a–b, 5a–b, 7a–9b d'Aizy ; *H.* (*Micracanthoceras*) *romani* p. 235 pl. xxxviii f. 5a–b

Berrias; **spp. nov.** Barrisian, S.E. France, G. MAZENOT Mém. Soc. géol. Fr. Paléont. **41** 1939.

†*Hourcqiceras* **subgen. nov.** of *Calycoceras* [1st sp.] *C.* (*H.*) *andranovoritelense* p. 75 pl. ii f. 5–7b with *C.* (*H.*) *latelobatum* p. 76 pl. iii f. 1–3 text-figs. A, B; *C.* (*H.*) *hourcqi* [subgenotype] p. 78 pl. iv and v text-figs. C, D; **spp. nov.** Cretaceous, Menabe, Madagascar, M. COLLIGNON Ann. Geol. Serv. Mines Madagascar **10** 1939.

†*Hudsonoceras* **gen. nov.** [Goniatitidae] Girtyceratinae, genotype *Goniatites proteus* Brown 1841, E. W. J. MOORE Proc. Yorks. Geol. Soc. Leeds **25** 6 1946 p. 433 pl. xxvii f. 5–7 text-fig. 31.

Hyporbulites **gen. nov.**, genotype *Phylloceras seresitense* Perving 1907, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 98.

†*Hypacanthoplites trivialis*; *H.*(?) *burckhardti* **spp. nov.** Aptian, Europe, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 84.

†*Hypacanthoplites sellardsi* p. 1038 pl. 62 f. 1, 2 text-fig. 161; *H. quitmanensis* p. 1040 pl. 62 f. 7 pl. 65 f. 6 text-fig. 162; *H. bakeri* p. 1042 pl. 65 f. 3, 4 text-fig. 163; **spp. nov.** Cuchillo formation (Cretaceous), West Texas; *H. mayfieldensis* p. 1043 pl. 63 f. 3–6 text-fig. 164; *H. rugosus* p. 1045 pl. 63 f. 1, 2; *H. cragini* p. 1045 pl. 62 f. 5, 6 text-fig. 165; **spp. nov.** Lower Glen Rose formation (Cretaceous), Central Texas, G. SCOTT Univ. Texas Bull. Austin **3945** 1939.

†*Hysteroceras famelicum* p. 161 pl. xxi f. 7–9; *H. thölei* p. 162 pl. xxii f. 1–3; *H. strangulatum* p. 163 pl. xxii f. 4–6; *H. africassum* p. 163 pl. xxi f. 10–13; *H. splendidum* p. 164 pl. xxii f. 7–9; *H. scitum* p. 165 pl. xxii f. 10, 11; *H. lepidum* p. 165 pl. xxi f. 14, 15; *H. venustum* p. 166 pl. xxii f. 12, 13; *H. speciosum* p. 167 pl. xxii f. 14–16; *H. unanimum* p. 167 pl. xxii f. 17, 18; *H. adelei* p. 168 pl. xxiii f. 1, 2; *H. frater* p. 168 pl. xxiii f. 3, 4; *H. prossplendidum* p. 169 pl. xxiii f. 5–7; *H. bellum* p. 169 pl. xxiii f. 8–10; *H. anguineum* p. 170 pl. xxiii f. 11, 12; *H. multicostatum* p. 170 pl. xxiii f. 13, 14; *H. constrictum* p. 171 pl. xxiii f. 15, 16; *H. clavigerum* p. 171 pl. xxiv f. 1, 2; *H. amplificatum* p. 172 pl. xxiv f. 3, 4; *H. scobinatum* p. 172 pl. xxiv f. 5, 6; *H. sparsicostatum* p. 172 pl. xxiv f. 7–9; *H. colubrinum* p. 173 pl. xxiv f. 10, 11; **spp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 5 1944 (Mar. 31).

†*Imitoceras yohi* **sp. nov.** Upper Permian, China, Y. C. SUN Contr. Geol. Inst. Nat. Univ. Peking **28** 1947 p. 42 pl. ii f. 3.

†*Inyoites garbinus* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 76.

†*Irinoceras* **gen. nov.**, genotype *Irinoceras arcuatum* **sp. nov.**, V. E. RUZHENTSEV C.R. Acad. Sci. Moscow 57 3 1947 pp. 281–284 fig. 2.

†*Irinoceras arcuatum* **sp. nov.** Namur deposit of the Urals, V. E. RUZHENTSEV C.R. Acad. Sci. Moscow **57** 3 1947 pp. 281–284 fig. 2.

†*Iscultites globulus* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 74.

†*Jasperoceras* **gen. nov.** Trocholitidae, genotype *J. costatum* **sp. nov.** Jasper Limestone (Lower Ordovician) 1½ m. E. of Jasper, Newton Co., Arkansas, ULRICH, FOERSTE, MILLER & FLOWER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942 p. 76 pl. 10 f. 1–3.

†*Kepplerites* (*Seymourites*) *japonicus* p. 27 pl. vii f. 1; *K.* (*S.*) *acuticostum* p. 28 pl. vii f. 2; *K.* (*S.*) *kuzuryuensis* p. 29 pl. vii f. 3; **spp. nov.** Jurassic, Nippon, T. KOBAYASHI Jap. J. Geol. Geogr. **20** 2–4 1947.

†*Karsteniceras* **gen. nov.** Lytoceratidae, genotype *Ancyloceras beyrichii* Karsten, Barremian, Vélez Depmt. of Santander, Colombia, J. ROYO Y GOMEZ Serv. Geol. Nac. Colombia **6** 1945 p. 460 pl. lxxi f. 1a–c text-fig. 1.

†*Karsteniceras* ? *hubachi* **sp. nov.** Céqueza formation, Valanginian, Colombia, J. ROYO Y GOMEZ Serv. Geol. Nac. Colombia **6** 1945 p. 224 pl. xxx f. 2.

†*Katroliceras yokoyamai* **sp. nov.** Jurassic, Japan, T. KOBAYASHI & A. FUKODA Jap. J. Geol. Geogr. **20** 2–4 1947 p. 50 pl. xii f. 1a–c.

†*Kazakhoceras yanshini* **sp. nov.** (Dimorphoceratidae) Lower Namur deposits of Ural p. 522, V. E. RUZHENTSEV C.R. Acad. Sci. Moscow **56** 5 1947 pp. 521, *524* figs. 2.

†*Kazakhoceras* **gen. nov.** (Dimorphoceratidae) Lower Namur deposits of Ural p. 522, V. E. RUZHENTSEV C.R. Acad. Sci. Moscow **56** 5 1947 pp. 521–524 figs. 2.

†*Kilianella chamalocensis* **sp. nov.** Chamaloc, S.E. France, G. MAZENOT Mém. Soc. géol. Paléont. **41** 1939 p. 203 pl. xxxii f. 4a–c.

†*Kirkoceras* ? *bradleyi* p. 16 pl. 25 f. 1–9 Hastings Creek formation near Philipburg, Missisquoi Co., Quebec; *K. compressum* p. 16 pl. 25 f. 10, 11 Williams Canyon, N. of Manitou, El Paso Co., Colorado; *K. gracile* p. 47 pl. 24 f. 1–4 Williams Canyon, Manitou, El Paso Co., Colorado; *K. obliquum* p. 48 pl. 70 f. 15, 16 Manitou Limestone, Ute Pass, N.W. of Manitou, El Paso Co., Colorado; **spp. nov.**, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Knemiceras* (Engonoceratidae) *nodosum* Limestone ledge of the Glen Rose, vicinity of Azle, North Texas, p. 1069 pl. 67 f. 6 pl. 68 f. 6 text-fig. 175; *K. azlense*, vicinity of Azle, Glen Rose formation p. 1070 pl. 66 f. 5, 6, 10 pl. 68 f. 2 text-fig. 176; *K. trinitense* Limestone of Glen Rose, N. Texas p. 1071 p. 66 f. 7 pl. 68 f. 3 text-fig. 177, G. SCOTT Univ. Texas Bull. Austin **3945** 1939.

†*Knemiceras bassleri* pp. 83, *90* Aptian; *K. sommermeieri* pp. 83, *96* pl. xviii f. 5, 6 Middle Albian; *K. moorei* pp. 83, *98* pl. xxi f. 1, 2; **spp. nov.** Mesozoic, Peruvian Andes, M. M. KNECHTEL Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947.

†*Komeceras* **gen. nov.** Brancoceratidae, genotype *K. acuticostatum* **sp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 5 1944 (Mar. 31) p. 180 pl. xxv f. 16–20.

Komiceras acuticostatum macrum **var. nov.** p. 182 pl. xxv f. 21, 22; *K. falciferum* p. 182 pl. xxv f. 23, 24; *K. multifalcatum* p. 182 pl. xxvi f. 1–3; *K. lineato-costatum* p. 183 pl. xxvi f. 4, 5; *K. laticostatum* p. 183 pl. xxvi f. 6, 7; *K. balteatum* p. 184 pl. xxvi f. 8–10; *K. turbatum* p. 184 pl. xxvi f. 11, 12; *K. ornatum* p. 184 pl. xxvi f. 13–15; **spp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 5 1944 (Mar. 31).

†*Koninckites bernoullii* **sp. nov.**; *K. timorensis* "**nom. nov.**"—**spp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 76.

†*Kossmaticeras gortanii* **sp. nov.** Maestrichtian, Tripolitania, C. MAXIA Boll. Soc. geol. ital. **61** 3 1943 p. 473 pl. viii f. 3, 4.

†*Kwangsites* **gen. nov.**, type *K. chui* **sp. nov.** Upper Permian, Hoshan, Kwangsi, China, Y. C. SUN Contr. Geol. Inst. Nat. Univ. Peking **28** 1947 p. 47 pl. 1 f. 9.

Laevaptychus latus (Parkinson) figs. F. K. G. MULLERREID **702**.

Lechites gaudini raricostata **nom. nov.** = *L. moreti* Spath 1941 non Breistr. 1936, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 94.

†*Lethargoceras* **gen. nov.** Cainoceratidae, with type *L. incommodum* **spp. nov.** Gault, South Africa p. 149 f. 167–169, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 4 1946 (Nov. 10).

†*Lethargoceras gorgoneum* p. 150 f. 170, 171; *L. effusum* p. 151 f. 172, 173; **spp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **32** 1 4 (Nov. 10) 1946.

†*Letheceras* **gen. nov.** Cainoceratidae, genotype *L. complanatum* **sp. nov.** p. 138 f. 148–152 Gault, South Africa; *L. parvicostatum* p. 142 f. 153–155; *L. modestum* p. 144 f. 156, 157; *L. contortum* p. 144 f. 158–160; *L. densicostatum* p. 146 f. 161; *L. procerum* p. 146 f. 162, 163; *L. proximum* p. 147 f. 164, 165; *L. egregium* p. 148 f. 166; **spp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 4 1946 (Nov. 10).

†*Lenticeras gerhardti* pp. 85, **162**; *L. lissoni* pp. 85, *127*; **spp. nov.** Peruvian Andes (Mesozoic), M. M. KNECHTEL Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947.

†*Levisoceras arctedorsatum* p. 134 pl. 64 f. 7, 8 Chepultepec dolomite, Hagerstown, Washington Co., Maryland; *L. belli* p. 134 pl. 62 f. 5, 6 Upper Ozarkian Limestone near Point Levis, Levis Co., Quebec; *L. complanatum* p. 135 pl. 63 f. 14–18 pl. 62 f. 12, 13 Gasconade dolomite near Lebanon, Luclade Co., Missouri; *L. constrictum* p. 136 pl. 65 f. 6, 7 Oneota dolomite on Asbury Ridge, Genoa, Vernon Co., Wisconsin; *L. curvatum* p. 136 pl. 65 f. 10–12 Oneota formation of the Upper Mississippi Valley, near Genoa, Vernon Co., Wisconsin; *L. edwardsi* p. 137 pl. 65 f. 8, 9 Oneota dolomite, Asbury Ridge, Genoa; *L. ellipticum* p. 138 pl. 63 f. 5–13 Upper Ozarkian (Gasconade-Oneota equivalent), S. of Roaring Spring, Blair Co., Pennsylvania; *L. instabile* p. 138 pl. 64 f. 1–6 Gasconade dolomite 10½ m. S.W. of St. Clair, Franklin Co., Missouri; *L. obliquatum* p. 139 pl. 64 f. 14–18 Gasconade formation 5 m. N. of Winona, Shannon Co., Missouri; *L. percurvatum* p. 140 pl. 65 f. 13, 14 Gasconade formation on Huzzah Creek 10 m. E. of Steelville, Crawford Co., Missouri; *L. raaschi* p. 140 pl. 63 f. 1–4 Oneota dolomite near Genoa, Vernon Co., Wisconsin; *L. subgracile* p. 141 pl. 64 f. 9–13 Oneota dolomite near Minneiska, Wabasha Co., Minnesota; *L. transitum* p. 141 pl. 65 f. 4, 5 Chepultepec dolomite 2½ m. E. of Jasper, Marion Co., Tennessee; **spp. nov.** ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Leukadiella amuratica* p. 174 pl. xii f. 6 bis., 6b; *L. conica* p. 174 pl. xii f. 5, 7–7b, 9; **spp. nov.**; *L. ionica paganiensis* **var. nov.** p. 175 pl. xii f. 8, 8a New Upper Liassic Ammonites, Greece, C. & O. RENZ Ecl. geol. helv. **39** 2 1946.

†*Lithacocras achilles* (Orb.) *unicomptum* (Font.), *capillaceum* (Font.) Sequamian Ammonites, French Jura figs., P. BUTTICAZ **170**.

†*Lunatodorsella* **subgen. nov.**, subgenotype *Puziosa chirichensis* Anth., M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 76.

Lyelliceras ulrichi pp. 83, *99* pl. xiii f. 1a, 1b; *L. mathewsi* pp. 83, *101* pl. xxi f. 3a–c; **spp. nov.** Middle Albian, Peruvian Andes, M. M. KNECHTEL Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947.

†*Lytoceras vermiforme* p. 133 text-figs. 82, 83; *L. variogyra* p. 135 pl. iii f. 1 text-figs. 84, 85; *L. polycycloides* p. 141 text-figs. 87, 88; **spp. nov.** Lias, Hungary, L. KOVÁCS Geol. Hung. Ser. Pal. **17** 1942.

†*Mammites menabensis* p. 80 pl. vi f. 2, 2a, b text-fig. E; *M. hourcqi* p. 82 pl. vii f. 1–2a text-fig. F; **spp. nov.** Cretaceous, Menabe, Madagascar, M. COLLIGNON Ann. Geol. Serv. Mines Madagascar **10** 1939.

Manchuroceras steanei p. 426 pl. 58 f. 6–8, 12; *M. excavatum* p. 427 pl. 58 f. 1–3; **spp. nov.** in Geol. Surv. Mines Depmt. Hobart, Early Ordovician, Tasmania, C. TEICHERT J. Paleont. Menasha, Wis. **21** 5 1947.

†*Mantelliceras menabense* **sp. nov.** Cretaceous, Menabe, Madagascar, M. COLLIGNON Ann. Geol. Serv. Mines Madagascar **10** 1939 p. 73 pl. ii f. 3, 3a, 4, 4a.

†*Mantelliceras corroyi* **sp. nov.** Cenomanian, Falaises de Cassis, S. FABRE Ann. Fac. Sci. Marseille (2) **14** 1940 p. 237 pl. vii f. 5–6 text-fig. 37.

Mastigohamites **nom. nov.** = *Mastigoceras* Böhm 1925 non Handsch. 1924 M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 100.

Medlicottiidae, septa evolution, V. E. RUZHENCEV **860**.

†*Mercaticeras principii* **sp. nov.** M. Martini, Central Umbria, Lower Toarcian (Upper Lias), C. LIPPE-BONCAMBE Rev. ital. Paleont. Milan **53** 4 1947 p. 136.

†*Metacalycoceras bruni* **sp. nov.** Cretaceous, France, S. FABRE Ann. Fac. Sci. Marseille (2) **14** 1940 p. 230 pl. viii f. 1–2 text-fig. 34.

†*Microbiplices anglicus* **sp. nov.** Sandsfoot Grits, Weymouth, W. J. ARKELL Monogr. Paleont. Soc. London **13** 1947 p. 378 pl. lxxvi f. 6a, b, 7.

†*Mimoceras* **gen. nov.** p. 85 Drepanoceratidae, genotype *M. binodosum* **sp. nov.** p. 86 f. 51–53 and pl. xviii; *M.* ? *obesum* p. 86 f. 54 and pl. xix **sp. nov.** Gault, S. Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 3 1941.

†*Mojsisovcsia gabbi* **sp. nov.** Mesozoic, Peruvian Andes, M. M. KNECHTEL Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947 pp. 84 **104** pl. xxiii f. 2a, b.

†*Monophyllites* (*Leiophyllites*) *praeconfucii* **sp. nov.**; *M.* (*L.*) *georgalasi*; *M.* (*L.*) *rosae*; **spp. nov.** p. 78; *M.* (*L.*) *palaeotridicus*; *M.* (*Schizophyllites*) *betilloni*; *M.* (*S.*) *pseudohara* "**n. sp.**" [**nom. nov.**] = *M. hara* Arth. non Diener; *M.* (*Palaeophyllites*) *thalmanni*; *M.* (*P.*) *praekieperti*; **spp. nov.** p. 78 Lower Trias, C. & O. RENZ Verb. Naturf. Ges. Basel **58** 1947.

†*Mooreoceras conicum* **sp. nov.** Pennsylvanian, Missouri, A. K. MILLER, J. H. LANE & A. G. UNKLESBAY Paleont. Contr. Univ. Kansas **2-3** 1947 Art. 2 p. 3 pl. 1 f. 2, 3.

†*Neocomites allobrogensis* p. 210 pl. xxxiii f. 4a, b, d'Aizy; *N. suprajurensis* p. 211 pl. xxxiii f. 5a–c d'Aizy; *N. subalpinus* p. 216 pl. xxxiv f. 1a–c xxxv f. 2a–c, 7a–d La Faurie; *N. romani* p. 219 pl. xxxvi f. 4a, b d'Eygalières; **spp. nov.** S.E. France, G. MAZENOT Mém. Soc. géol. Fr. Paléont. **41** 1939.

†*Neocosmoceras breistrofferi* p. 189 pl. xxxi f. 2a–4b Veynes; *N. ambiguum* p. 190 pl. xxx f. 3a–4f pl. xxxi f. 7a–c La Faurie; *N. bruni* p. 195 pl. xxxii f. 15a–c La Cisterne; **spp. nov.** Berriasian S.E. France, G. MAZENOT Mém. Soc. géol. Fr. Paléont. **41** 1939.

†*Neodimorphoceras* (*Pinoceras*) *daixense* **sp. nov.** (Dimorphoceratidae) Upper Carbon of Ural, p. 523, V. E. RUZHENTSEV C.R. Acad. Sci. Moscow **56** 5 1947 pp. 521, *527* figs. 2.

†*Neogeoceras* **gen. nov.**, genoholotype —*Neogeoceras girtyi* (Miller et Furnish) p. 672 (Permian deposit of Novoya Zemlya, Sicili, dep. Word of U.S.A., Mexico), V. E. RUZHENCEV C.R. Acad. Sci. Moscow **56** 6 1947 pp. 639–642.

Neoharpoceras raritubercularum **sp. nov.** Albian, Savoy, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 91.

†*Neosaynoceras* **gen. nov.**, type *Saynoceras gazellae* Perving 1907 Lower Cenomanian; *N. g. globosa* **nom. nov.**, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 92.

†*Nostoceras hyatti* Nacatoch Sand, N. edge of Corsicana p. 410 pl. 81 f. 9–12; *N. colubriformis* Nacatoch Sand 2½ m. W. by S. of Corsicana p. 412 pl. 81 f. 1–3; *N.* ? *draconis* Neylandville marl 3½ m. W.N.W. of Corsicana p. 413 pl. 82 f. 5–9; **spp. nov.**; *N. helicinum crassum* p. 412 pl. 81 f. 7, 8 Nacatoch Sand, vicinity of Chatfield; *N. helicinum humile* Nacatoch Sand, field ⅜ m. W. of Kaufman p. 412 pl. 81 f. 4–6; **vars. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin 4101 1941.

†*Nuculoceras djeradae* **sp. nov.** *agaiae* **721.**

†*Oderoceras* **gen. nov.** [Piloceratidae], genotype *O. depressum* **sp. nov.** Cotter horizon Knox dolomite, N.E. edge of Jefferson City, Tennessee, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943 p. 50 pl. 28 f. 3, 4.

†*Oderoceras sevierense* p. 51 pl. 28 f. 5, 6 Knox dolomite, Trundler Cross Roads near Seymour, Sevier Co., Tennessee; *O. virginianum* p. 52 pl. 53 f. 15 1 m. S. of Cherry Grove, 13 m. N. of Harrisonburg, Rockingham Co., Virginia, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Oneotoceras curvatum* p. 146 pl. 66 f. 1–3 dolomite 5 m. N.W. of Hermansville, Menominee Co., Michigan; *O. extremum* p. 147 pl. 66 f. 4, 5 Wilson's Quarry near Madison, Dane Co., Wisconsin; *O. divaricatum* p. 146 pl. 69 f. 6–8 5 m. N.W. of Hermansville Minominee Co., Michigan; *O. husseyi* p. 148 pl. 68 f. 1, 2 5 m. N.W. of Hermansville, Menominee Co., Michigan; *O. impressum* p. 148 pl. 26 f. 1 Oneota horizon near Hermansville, Menominee Co., Michigan; *O. madisonense* p. 149 pl. 12 f. 2, 3 Wilson's Quarry, near Madison, Dane Co., Wisconsin; *O. magnum* p. 150 pl. 69 f. 1, 2 5 m. N.W. of Hermansville, Menominee Co., Michigan; *O. percurvatum* p. 150 pl. 26 f. 2–5 Chepultepec dolomite near Chepultepec, Blount Co., Alabama; *O. wisconsinense* p. 151 pl. 69 f. 3–5 Oneota dolomite near mouth of Big Creek 7–8 m. S.E. of Prescott, Pierce Co., Wisconsin. **spp.**

nov. Ulrich, Foerste & Miller Sp. Pprs. Geol. Soc. Amer. Washington D.C. **49** 1943.

†*Ophryoceras* **gen. nov.** of Drepanoceratidae, type *O. jugosum* **sp. nov.** Gault, S. Africa, E. C. N. van Hoepen Paleont. Navorsing, Bloemfontein **1** 4 (Nov. 20) 1942 p. 91 f. 56, 58.

†*Ophryoceras jugosum* p. 93 f. 56, 58 ; *O. costatum* p. 93 f. 59, 60 ; **spp. nov.** Gault, South Africa, E. C. N. van Hoepen Paleont. Navorsing, Bloemfontein **1** 4 1942 (Nov. 20).

†*Orbignya* (*Tetracionites*) *princeps* Upper Angoumian p. 54 text-figs. 9–12 pl. ii f. 2 ; *O.* (*T.*) *angoumiensis* Upper Angoumian p. 55 text-figs. 13–16 pl. ii f. 3 ; *O. olmesensis* **sp. nov.** Upper Campanian p. 65 f. 19a, b and pl. 1 f. 7 ; *O. galeata* **sp. nov.** Upper Campanian p. 67 f. 20, 21 and pl. 1 f. 1, 2 pl. ii f. 1, P. Sénesse Bull. Soc. Hist. nat. Toulouse **81** 1946.

†*Orbignyceras* **gen. nov.** Lytoceratidae genotype *O. veleziensis* **sp. nov.** Barremian, Muestras, Chipata-Vélez, Santander, Colombia, J. Royo y Gomez Serv. Geol. Nac. Colombia **6** 1945 p. 462 pl. lxxi f. 1d, e text-fig. 2.

†*Orestites pelopsi* **sp. nov.** Upper Lias, Greece, C. & O. Renz Ecl. geol. helv. **39** 2 1946 p. 170 pl. xii f. 1–1b.

†*Ovocerina* **gen. nov.**, genotype *Gomphoceras transversum* Barrande (Silurian), R. H. Flower Amer. Midl. Nat. Notre Dame **37** 1 1947 p. 253.

Oxytropidoceras bösei pp. 84, 109 pl. xxvii f. 1 ; *O. hubbardi* pp. 84, *109* pl. xxviii f. 3 ; *O. douglasi* pp. 84, *106* pl. xxiv f. 1–4 pl. xxv f. 1, 2 pl. xxvi, xxvii f. 2, 3 pl. xxviii f. 1 ; **spp. nov.** Mesozoic, Peruvian Andes, M. M. Knechtel Johns Hopkins Univ. Stud. Geol. Baltimore **15** 1947.

†*Oxytropidoceras multifidum* Steinm. p. 142 f. 31, J. Royo y Gomez **850**.

†*Pachydiscus* (" *Parapachydiscus* " auct.) *gardneri* p. 3 pl. 1 f. 1, 2, 5–20 ; *P.* (" *Parapachydiscus* ") *woodringi* p. 3 pl. 2 f. 1–15 ; **spp. nov.** Cretaceous, Hayti, J. B. Reeside Prof. Pprs. U.S. Geol. Surv. 214A 1947.

Palaehoplitidae with subfam. Berriasellinae, Neocomitinae, Himalayitinae, G. Mazenot **655**.

†*Paradimorphoceras* **gen. nov.**, genoholotype — *Paradimorphoceras loonevi* (Phillips) (Dimorphoceratidae) from Upper Vise to Upper Namur, Ural p. 522, V. E. Ruzhentsev C.R. Acad. Sci. Moscow **56** 5 1947 pp. 521–524 figs. 2.

†*Parahoplites umbilicostatus* p. 1029 pl. 62 f. 8 pl. 63 f. 10 ; *P. wintoni* p. 1030 pl. 64 f. 2 pl. 67 f. 8 text-fig. 156 ; *P. thomasi* p. 1032 pl. 64 f. 1 text-fig. 157 ; **spp. nov.** Cretaceous Blue marls, Cuchillo formation, West Texas, G. Scott Univ. Texas Bull. Austin **3945** 1939.

†*Paranannites mediterraneus* Arth. *media* **var. nov.**, *P. chionensis* **sp. nov.**, *P. compressus* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. Renz Verb. naturf. Ges. Basel **58** 1947 p. 77.

†*Parapachydiscus arkansanus* Nacatoch Sand, Arkansas p. 418 pl. 84 pl. 85 f. 1–3 pl. 86 f. 1–5 pl. 87 f. 1–3 ; *P. scotti* Nacatoch Sand near Corsicana p. 429 pl. 88 text-figs. 11, 12, L. W. Stephenson Univ. Texas Bull. Austin 4101 1941.

†*Parapachydiscus checchiai* **sp. nov.** Maestrichtian, Tripolitania, C. Maxia Boll. Soc. geol. ital. **61** 1/2 1943 p. 176 pl. viii f. 5, 6.

†*Parasaynoceras* **gen. nov.**, type *Ammonites horridus* Orb., M. Breistroffer Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 92.

Paraturrilites **nom. nov.** = incl. *Mariella* Now. 1916 pro subgen. em. Spath 1937 ; non *Meriaella* Gray 1855, M. Breistroffer Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 96.

Paraturrilites nobilis brownei **var. nov.** ; *P. terniatus caniculata* **var. nov.** ; *P.* (?) *taetuberculatus* **sp. nov.**, M. Breistroffer Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 96.

†*Perisphinctes* (*Dichotomosphinctes*) *gamelai* brick pit at Gamlingay p. 358 pl. lxxv f. 3–5 ; *P.* (*Ampthillia*) *ampthillensis* Lincolnshire p. 359 pl. lxxv f. 7a, b, 8 a–c ; **spp. nov.**, W. J. Arkell Monog. Palaeont. Soc. London **13** 1947 ; *Perisphinctes* (*Perisphinctes*) *waltonensis* Wood Walton Railway Cutting near Huntingdon p. 364 pl. lxxvii f. 2a, b pl. lxxvi f. 5 text-fig. 127 ; *P.* (*P.*) *wartaeformis* Westbury Ironstone, Westbury p. 367 pl. lxxvii f. 5a–b text-fig. 129 ; *P.* (*Arisphinctes*) *kirkdalensis* Upper Cretaceous Grit of

Kirkdale cutting or Pickering, Yorks. p. 367 text-fig. 130 ; *P.* (*Arisphinctes*) *westburyensis* Westbury Ironstone p. 368 text-fig. 131 ; **spp. nov.**, W. J. ARKELL Monogr. Palaeont. Soc. London **13** 1947.

Perisphinctes (*Discosphinctes*) *isokusense* **sp. nov.** Argovian-Kimmeridgian, seashore adjacent by north of Isokusa Oshimamura, Nippon, T. KOBAYASHI & A. FUKUDA Jap. J. Geol. Geogr. **20** 2–4 1947 p. 55 pl. xiii.

†*Perisphinctes* (*Zigzagiceras*) *quercinus* Terquem & Sourdy figs., G. GARDET **359**.

†*Pervinquieria undulato-costata* p. 95 f. 61–63 ; *P. fluctuato-costata* p. 96 f. 64–66 ; *P. multi costata* p. 99 f. 67–70 ; *P. nodoso-costata* p. 71–76 ; *P. ordinato-costata* p. 103 f. 77–80 ; *P. clivosa* p. 107 f. 81–85 ; *P. angusticostata* p. 109 f. 86–88 ; *P. tenuicostata* p. 110 f. 89–91 ; *P. scobina* p. 111 f. 92, 93 ; *P. geniculata* p. 112 f. 94, 95 ; *P. salebrosa* p. 113 f. 96–98 ; **spp. nov.** Gault Ammonites, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 4 1942.

†*Pervinquieria referta* p. 159 pl. xxi f. 1, 2 ; *P. ornata* p. 160 pl. xxi f. 3, 4 ; *P. adelei* p. 160 pl. xxi f. 5, 6 ; **spp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 5 1944 (Mar. 31).

†*Petinoceras* **gen. nov.** Brancoceratidae, type *P. recuperator* **sp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont, Navorsing, Bloemfontein **1** 5 1944 (Mar. 31) p. 186 pl. xxvi f. 19–21.

†*Phylloceras* (*Calliphylloceras*) *emeryi diversisulcata* **var. nov.** p. 78 pl. ii f. 9 ; *P.* (*C.*) *capitanei lata* **var. nov.** p. 88 ; *P.* (*C.*) *practisulcatum* **sp. nov.** p. 89 text-fig. 51 ; *P.* (*C.*) *dubium boizavériensis* **var. nov.** p. 92 pl. ii f. 6 text-figs. 53, 54 ; *P.* (*C.*) *dubium paucisulcata* **var. nov.** p. 95 pl. ii f. 7 text-figs. 55, 56 Lias, Hungary, L. KOVÁCS Geol. Hung. Ser. Pal. **17** 1942.

†*Phylloceras* (*Heterophylloceras*) *lipoldi longilobata* **var. nov.** p. 63 pl. 1 f. 12 text-figs. 29, 30 ; *P.* (*H.*) *angustum* **sp. nov.** p. 65 pl. 1 f. 8 text-figs. 33, 34 ; *P.* (*H.*) *paucilobatum* **sp. nov.** p. 67 text-figs. 35, 36 ; *P.* (*H.*) *meneghinii baconica* **var. nov.** p. 71 ; *P.* (*H.*) *varians* p. 74 pl. 1 f. 7 text-figs. 42, 43 ; *P.* (*Partschiceras*) *trauthi* **sp. nov.** p. 40 pl. 1 f. 3 text-figs. 9, 10 ; *P.* (*P.*) *tenuistriatum acuticostata* **var. nov.** p. 45 pl. 1 f. 4 text-figs. 14, 15 ; Lias, Hungary, L. KOVÁCS Geol. Hung. Ser. Pal. **17** 1942.

†*Phylloceras* (*Hantkeniceras*) *pseudohantkeni* **sp. nov.** p. 34 pl. 1 f. 2 text-figs. 5, 6 ; *P.* (*Zetoceras*) *pseudo-oenotrium* **sp. nov.** p. 52 pl. 1 f. 6 text-figs. 18, 19 ; *P.* (*Z.*) *ferencii* **sp. nov.** p. 53 pl. 1 f. 10 ; *P.* (*Z.*) *csikeszi* **sp. nov.** p. 57 pl. 1 f. 11 pl. 1 f. 11 text-figs. 22, 23; Lias, Hungary, L. KOVÁCS Geol. Hung. Ser. Pal. **17** 1942.

†*Phylloceras aschiltaense* Albian, Hungary p. 71 ; *P. escragnollensis* Albian, Italy p. 71, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947.

†*Piloceras tasmaniense* **sp. nov.** Early Ordovician, Tasmania, Holotype Geol. Surv. Mines Depmt. Hobart, C. TEICHERT J. Paleont. Menasha, Wis. **21** 5 1947 p. 423 pl. 58 f. 9–11.

†*Piloceras hornei* p. 23 pl. 2 f. 3–7 Durness Limestone, N. coast of Scotland ; *P. saffordi* p. 24 pl. 6 f. 4–8 Cotter zone of Upper Canadian, Knox dolomite, Rogersville, Hawkins Co., Tennessee ; **spp. nov.**, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Pinoceras* **subgen. nov.**, genoholotype — *Neodimorphoceras* (*Pinoceras*) *daixense* **sp. nov.** (Dimorphoceratidae). Upper Carbon of Ural p. 523, V. E. RUZHENTSEV C.R. Acad. Sci. Moscow **56** 5 1947 pp. 521–527 figs. 2.

†*Piveteauoceras* **subgen. nov.** of *Barroisiceras* from *P. eboroense* **sp. nov.** S.E. Malgache, Madagascar, É. BASSE Ann. Paléont. Paris **33** 1947 p. 142 pl. viii f. 4, 4a, 5, 5a.

Plectoceratidae, Status and genera, R. H. FLOWER **327**.

†*Planites polygyratus* (Rein.), *lictor* (Font.), *breviceps* (Queenst.), *ernesti* (Lor.), *pseudolictor* (Chof.) Sequanian Ammonites, French Jura, figs., P. BUTTICAZ **170**.

†*Plesiohamites* **subgen. nov.** of *Hamites* subgenotype *Hamites multicostatus* Brown 1837, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 93.

†*Plesiospitidiscus* **gen. nov.**, genotype *Ammonites ligatus* Orb. 1841 Pal.

Fr. Terr. Crét. 1 126 pl. xxxviii f. 1, 2, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 80.

Pseudhelicoceras (?) *irregulare* **nom. nov.** = *Turrilites spinosus* Kossm. 1895 non Lesueur 1846, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 101.

†*Pseudosageceras* (*Metasageceras*) *pasquayi* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 79.

†*Pseudosonneratia cuchillensis* **sp. nov.** Cretaceous, limestone of the Cuchillo formation, West Texas, G. SCOTT Univ. Texas Bull. Austin **3945** 1939 p. 1063 pl. 66 f. 34 text-fig. 173.

†*Pseudotirolites* **gen. nov.**, genotype *Tirolites asiaticus* Jkl. Upper Permian, China, Y. C. SUN p. 44 pl. i f. 4, 5 pl. ii f. 5, 6; *P. mapingensis* **sp. nov.** Upper Permian, China p. 45 pl. 1 f. 6, Y. C. SUN Contr. Geol. Inst. Nat. Univ. Peking **23** 1947.

†*Psiloceras dubiosum* **sp. nov.** Lias, Hungary, L. KOVÁCS Geol. Hung. Ser. Pal. **17** 1942 p. 158 pl. ii f. 5.

†*Prenkites helenae* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 74.

†*Prionocyclus wyomingensis elegans* p. 200, *robusta* p. 201 **vars. nov.**, O. HAAS Bull. Amer. Mus. nat. Hist. **68** 4 1946.

†*Prionotropis woolgari intermedia* p. 197, *regularis* p. 198, *tenuicostata* p. 198, *praecox* p. 198, *alata* p. 198, **vars. nov.**, G. HAAS Bull. Amer. Mus. nat. Hist. **86** 4 1946.

†*Procarnites kokeni* Arth. *panteleimonensis* **var. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 78.

†*Pronorites schaubi* **sp. nov.**; *P. s. kephalovunensis* **var. nov.** p. 78; *P. reicheli* **sp. nov.** p. 79 Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947.

†*Proplanulites krenkeli* "**n. sp.?**" Jogue Valley, Friebourg (Lower Callovian), L. HOWITZ Bull. Jub. Géol. géog. phys. min. et paléont. Univ. Lausanne **70** 1941 p. 29.

†*Proptychites mohamedis* (Arth.) *applanata* **var. nov.**; *P. ktenasi* "**n. sp.**" [**nom. nov.**] = *P. obliqueplicatus* Arthaber non Waagen p. 76; *P. balcanicus* "**n. sp.**" [**nom. nov.**] = *P. latifimbriatus* Arth. non Koninck; *P. mistardisi*; **sp. nov.** *P. lawrencianus* (Kon.) *postindica* **var. nov.**; *P. buxtorfi* **sp. nov.** p. 77 Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947.

†*Prosphingites vonderschmitti*; *P.* (*Chiotites*) *globularis* p. 74; *P.* (*Ch.*) *superglobosus*; *P.* (*Zenoites*) *helenae* p. 75; **spp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 **pp.** 74, 75.

†*Protacanthoceras Collignoni* **sp. nov.** p. 225 pl. vii f. 7, 8; *P. harpax denitzoti* **var. nov.** p. 223 pl. vi f. 5, 6 text-fig. 31; *P. breistrofferi* **var. nov.** p. 224 pl. vi f. 7, 8 text-fig. 32 Cretaceous, France, S. FABRE Ann. Fac. Sci. Marseille (2) **14** 1940.

†*Pycnoceras clausum* p. 28 pl. 7 f. 5–14 Upper Canadian, Jefferson City formation 1½ m. E. of Buffalo, Dallas Co., Missouri; *P. rotundatum* p. 29 pl. 7 f. 1–4 Jefferson City formation, S. of Mansfield, Missouri; **spp. nov.**, ULRICH, FOERSTE, MILLER & FLOWER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942.

†*Quitmanites* **gen. nov.** Parahoplitidae, genotype *Q. ceratitosus* **sp. nov.** Cuchillo formation (Cretaceous), West Texas, G. SCOTT Univ. Texas Bull. Austin **3945** 1939 pp. 1048, 1049 pl. 61 f. 5, 6 text-fig. 166.

†*Reesideoceras* **subgen. nov.** of *Barroisiceras* for. *R. gallicum* **sp. nov.** p. 133; *R. camerounense* **sp. nov.** p. 137, and *R. nicklesi* de Gross, É. BASSE Ann. Paléont. Paris 33 1947 p. 132.

†*Rhacophyllites kávásensis* **sp. nov.** p. 100 pl. ii f. 13 text-figs. 59, 60; *R. borzavárienses* **sp. nov.** p. 108 pl. 11 f. 16 text-figs. 67, 68; *R. iirmosensis angustoumbilicata* **var. nov.** p. 112 text-figs. 71, 72; *R. bucovinicus aberrans* **var. nov.** p. 122 Lias, Hungary, L. KOVÁCS Geol. Hung. Ser. Pal. **17** 1942.

Rhombella **gen. nov.**, genotype and sole sp. "*Roubidouxia*" *umbilicata* Ulrich & Bridge, J. BRIDGE & P. E. CLOUD Jr. Amer. J. Sci. New Haven **245** 9 1947 p. 250 pl. 1 f. 14–15.

†*Rhytidoceras megaera* **sp. nov.** Gault, S. Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 3 1941 p. 69 f. 24–28.

†*Rhytidoceras elegans* p. 64; *R. rotundum* p. 68; *R. crassicostatum* p. 67 Gault, S. Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 3 1941 p. 64.

†*Rhytidoplites* **gen. nov.** p. 1034 Parahoplitidae, genotype *R. robertsi* p. 1035 pl. 61 f. 11 pl. 63 f. 7 text-fig. 159 with *R. fasciculatus* p. 1037 pl. 61 f. 3, 4 text-fig. 160; **spp. nov.** Cretaceous Blue marl of the Cuchillo formation, West Texas, G. SCOTT Univ. Texas Bull. Austin **3945** 1939.

†*Ricnoceras pandai* **sp. nov.** Gault, S. Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 3 1941 p. 59 figs. 4, 5.

†*Romaniceras uchauxiense* **sp. nov.** pp. 89, *94* pl. x f. 1, 1a; *R. deveriai* Orb. *masiaposensis* **var. nov.** p. 89 pl. viii f. 2–3a pl. ix f. 1, 1a Cretaceous, Menabe, Madagascar, M. COLLIGNON Ann. Geol. Serv. Mines Madagascar **10** 1939.

†*Santandericeras* **subgen. nov.** of *Heteroceras* Palaehoplitidae, subgenotype *H.* (*S.*) *apolinari* **sp. nov.** Barremian, Nicéforo, Museo de la Salle, Bogota, Colombia, J. ROYO Y GOMEZ Serv. Geol. Nac. Colombia **6** 1945 p. 468 pl. lxxiv, lxxv f. 1 text-figs. 4, 5.

†*Scaphites sanfilippoi* **sp. nov.** Maestrichtian, Tripolitania, C. MAXIA Boll. Soc. geol. ital. **61** 3 1943 p. 482 pl. viii f. 7–8.

†*Scaphites rugosus* Nacatoch Sand, vicinity of Chatfield p. 425 pl. 89 f. 15–18; *S. pumilus* Nacatoch Sand, vicinity of Chatfield p. 426 pl. 90 f. 10–12; *S. yorkensis* Kemp Clay near York Creek 4 m. S.E. of Zorn p. 427 pl. 90 f. 9; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin 4101 1941.

†*Schlotheimia boucaultiana hungarica* **var. nov.** Lias, Hungary, L. KOVÁCS Geol. Hung. Ser. Pal. **17** 1942 p. 181 pl. iii f. 14 text-figs. 99, 100.

†*Shelbyoceras bessemerense* p. 153 pl. 70 f. 3–8 Copper Ridge dolomite or of Upper Cambrian age, 3 m. S.W. of Bessemer, Jefferson Co., Alabama; *S. buttsi* p. 154 pl. 70 f. 1, 2 Copper Ridge dolomite 3½ m. S.E. of Shelby, Shelby Co., Alabama; *S. unguliforme* p. 154 pl. 70 f. 9–12 3½ m. S.E. of Shelby; **spp. nov.**, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943.

†*Shumardoceras fragile* p. 31 pl. 9 f. 14 Jefferson City formation, S. of Isabella, Ozark Co., Missouri; *S. taneyense* p. 32 pl. 4 f. 3 pl. 9 f. 12, 13 Cotter formation ⅔ m. S. of Taneyville, Taney Co., Missouri, **spp. nov.**, ULRICH, FOERSTE, MILLER & FLOWER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942.

†*Smithvilloceras* **gen. nov.** [Cyrtendoceratidae], genotype *S. thompsoni* **sp. nov.** Smithville formation on roadside about 1½ m. N.E. of Smithville, Lawrence Co., Arkansas, ULRICH, FOERSTE & MILLER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **49** 1943 p. 155 pl. 62 f. 7–11.

†*Solenoceras reesidei* Nacatoch Sand, ¾ m. W. of Kaufman p. 401 pl. 77 f. 1–3; *S. multicostatum* p. 402 pl. 76 f. 12–14 Nacatoch Sand, vicinity of Chatfield; **spp. nov.** Navarro Group, Upper Cretaceous, Texas, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941.

†*Sonneratia perinflata* **nom. nov.** = *S. obesa* Spath 1942 non Kossm. 1895, quae = *Tropitoides obesus* Stolicz, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 84.

Sonneratia capreolata **sp. nov.** Albian, Europe, M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 84.

†*Sonneratia trinitensis* Cuchillo formation, West Texas p. 1057 pl. 65 f. 1, 2 text-fig. 170; *S. whitneyi* Basal Glen Rose formation, Central Texas p. 1059 pl. 66 f. 9 pl. 67 f. 4 text-fig. 171; *S. minima* Cuchillo formation, West Texas p. 1060 pl. 66 f. 2 pl. 67 f. 7 text-fig. 172; *S. fosteri* Limestone Cuchillo formation, West Texas p. 1062 pl. 67 f. 1, 2; **spp. nov.** Cretaceous, Texas, G. SCOTT Univ. Texas Bull. Austin **3945** 1939.

†*Sphenodiscus tirensis* Kemp Clay **sp. nov.** 1½ m. S.E. of Tira, Texas, Navarro Group, Upper Cretaceous, L. W. STEPHENSON Univ. Texas Bull. Austin **4101** 1941 p. 435 pl. 93 f. 1–3 pl. 94 f. 1, 2.

†*Stacheites dionysi* **sp. nov.** Lower Trias, Is. of Chios (Greece), C. & O. RENZ Verb. naturf. Ges. Basel **58** 1947 p. 75.

Stemmatoceras mclearni p. 68 pl. 1 f. 1 pl. iv f. 1 ; *S. carri* p. 69 pl. iv f. 2 pl. vi f. 3 ; **spp. nov.** Fernie formation, Alberta, P. S. WARREN Rep. Rev. Counc. Alberta No. 49 1947.

†*Stenopoceras smithi* **sp. nov.** Conemaugh series, Western Pennsylvania, A. K. MILLER & A. G. UNKLESBAY Carnegie Mus. Pittsburgh **30** 18 1947 p. 323 pl. ii f. 1, 2 text-fig. 1.

Stomohamites brongniarti **nom. nov.** = *Hamites* (*S.*) *virgulatus* Spath 1941, non Brougn. 1822 "nom ambig. et confus," M. BREISTROFFER Trav. Lab. Géol. Univ. Grenoble **26** 1947 p. 93.

†*Streblites* (*Pseudoppelia*) *oxynotus* **sp. nov.** Kimmeridgean Argentina, A. F. LEANZA Rev. Soc. Geol. Argentina **1** 1 1946 p. 67 pl. 1 f. 1–5 text-fig. 2a–e.

Subbarroisiceras makafalense **gen.** et **sp. nov.** Coniacien S.W. Madagascar, E. BASSE Bull. soc. geol. Fr. 5 **16** 1–3 1946 p. 71 pl. ii f. 1a, b text-fig. 1.

†*Subalpinites* **gen. nov.** Neocomitinae, genotype *S. fauriensis* **sp. nov.** Barriasian, La Faurie, S.E. France, G. MAZENOT Mém. Soc. géol. Fr. Paléont. **41** 1939 p. 224 pl. xxxvi f. 1, 2.

Subalpinites fauriensis p. 225 pl. xxxvi f. 1a–2b La Faurie ; *S. mediterraneus* p. 228 pl. xxxvi f. 3a, b d'Eyguières ; **spp. nov.** Berriasian, S.E. France, G. MAZENOT Mém. Soc. géol. Fr. Paléont. **41** 1939.

†*Subplanites contiguus* (Catullo) Sequanian, French Jura fig., P. BUTTICAZ **170.**

Suecoceras robustum **sp. nov.** Early Ordovician, Tasmania, C. TEICHERT J. Paleont. Menasha, Wis. **21** 5 1947 p. 423 pl. 58 f. 4–5.

†*Taramelliceras flexuosum* (Quenst.) fig. Sequanian, French Jura, P. BUTTICAZ **170.**

†*Tarphyceras chadwickense* **sp. nov.** Cotter formation on road between Swan and Elkhorn Creeks, ¼ m. above their junction, 3 m. N.E. of Chadwick, ULRICH, FOERSTE, MILLER & FLOWER Sp. Pprs. Geol. Soc. Amer. Washington, D.C. **37** 1942 p. 38 pl. 13 f. 1 pl. 14 f. 1, 2 pl. 27 f. 4 pl. 36 f. 3 pl. 37 f. 4.

†*Teloceras allani* p. 70 pl. ii f. 1 ; *T. stelcki* p. 71 pl. vi f. 1 ; **spp. nov.** Fernie formation, Alberta, P. S. WARREN Rep. Rev. Counc. Alberta No. 49 1947.

†*Terasceras* **gen. nov.** p. 173 Brancoceratidae, genotype *T. cariniferum* **sp. nov.** Gault, South Africa p. 174 pl. xxiv f. 12, 13 ; *T. crassicostatum* p. 174 pl. xxiv f. 14–16 ; *T. falcatum* p. 175 pl. xxiv f. 17–19 ; *T. pseudofalcatum* p. 175 pl. xxiv f. 20, 21 ; *T. subfalcatum* p. 176 pl. xxv f. 1, 2 ; *T. corpulentum* p. 176 pl. xxiv f. 22, 23 ; *T. improvisum* p. 177 pl. xxv f. 3, 4 ; *T. tenuicostatum* p. 178 pl. xxv f. 5, 6 ; *T. exilis* p. 178 pl. xxv f. 7, 8 ; *T. elegans* p. 179 pl. xxv f. 9–11 ; *T. planum* p. 179 pl. xxv f. 12, 13 ; *T. politus* p. 180 pl. xxv f. 14, 15 ; **spp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 5 1944 (Mar. 31).

†*Tetagmenoceras* **gen. nov.** p. 122 Arestoceratidae, type *T. tumulosum* **sp. nov.** p. 123 f. 113–118 ; *T. corrugatum* p. 125 f. 119–125 ; **spp. nov.** Gault, South Africa, E. C. N. VAN HOEPEN Paleont. Navorsing, Bloemfontein **1** 4 1946 (Nov. 20).

†*Tetragonites spathi* Breistroffer in litt. **sp. nov.** Cretaceous, France, S. FABRE Ann. Fac. Sci. Marseille (2) **14** 1940 p. 214 pl. vi f. 1 text-fig. 26.

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10. CRUSTACEA

ARRANGED BY

J. P. HARDING, Ph.D.

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II. TRILOBITA

ARRANGED BY

C. J. STUBBLEFIELD, D.Sc., F.R.S.

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II. SUBJECT INDEX

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Cephalon.—Terminology of extant names of structures discussed and attempted standardization for Cambrian descriptions—the term "brim" is preferred for area between marginal furrow, front end of glabella and ocular ridges and bounded laterally by facial sutures (detailed definition given for this and other terms) ; the term "fixed cheek" is restricted in usage, HOWELL ET ALIOS **23.**

Cranidium.—Diagnostic generic features in Lower Cambrian genera excluding Olenellids :—

1. Length (or size) of palpebral lobe and position of its midpoint compared with that of glabella.

2. (*a*) Basic "shape and convexity" of glabella. (*b*) Presence or absence of glabellar furrows, their number and direction.

3. Proportional width of free-cheeks to glabella measured "on a line through their respective mid-points."

4. Position of the fixed cheeks with reference to a horizontal plane through the dorsal furrow (*a*) elevated or more above (*b*) upsloping 20° ± above (*c*) horizontal (*d*) downsloping 20° ± below (*e*) depressed 45° below.

5. Width and length of postero lateral limb, width related to side of glabella and length to that of occipital ring.

6. General structure of pre-glabellar area.

Stated that "a definite recognisable variation in any one of these features constitutes a valid generic distinction."

Diagnostic specific features in Lower Cambrian genera :—

1. Variations in width, convexity and slope of frontal limb and in frontal border and in depth ,width and direction of the marginal furrow.

2. Minor variations in convexity, width and length of glabella.

3. Minor variations in width and convexity of fixed cheeks.

4. Presence and size of occipital spine or node.

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Fixed cheek. — Terminology — for Cambrian trilobites, defined as "the area lying back of the ocular ridge and anterior to an imaginary line extending from the posterior end of the eye diagonally backward to the junction of the dorsal and occipital furrow," it is bounded posteriorly by the "posterior limb," HOWELL ET ALIOS **23**.

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1. Outline (shape) and convexity of shield, presence and character of marginal spine.

2. (*a*) Proportion of pleural to axial lobe (measured along anterior margin) (*b*) Presence or absence of marginal furrow. (*c*) Basic character of marginal border.

3. Structure of axial and pleural lobes.

Diagnostic specific characters :—

1. Variations in direction and size of marginal spine.

2. Minor variations in strength and width of marginal furrow or border.

3. Presence or absence, number and arrangement of spines or nodes on the axial and pleural lobes.

4. Variations in number and strength of "segments" on axial and pleural lobes.

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"Interpleural groove," "pleural furrow" defined, HOWELL ET ALIOS **23**.

Ornamentation of "test."—Discussed for Lower Cambrian genera and types observable on outer and inner surfaces listed, LOCHMAN **31**.

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Classification. — Attempted rationalized analysis of diagnostic generic and specific characters of non-Olenellid Lower Cambrian genera and species, eleven genera revised and two new genera described, LOCHMAN **31** ; Ceratopygidae discussed and revised, WESTERGÅRD **74** ; Cheiruridae classified into five subfamilies one of which is noted, one new genus and several new subgenera defined, PRANTL & PŘIBYL **42** ; Encrinuridae new subfamily, PRANTL & PŘIBYL **42** ; Otarionidae divided into three subfamilies, PŘIBYL **48** ; Proetidae four new genera and two new subgenera, PŘIBYL **44** ; Proetidae Czechoslovakian representatives classed into five subfamilies, PŘIBYL **45**; Proetidae, WEBER **72** ; Scutellidae of Czechoslovakia, PRANTL & PŘIBYL **41**.

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71 ; Sweden, WESTERGÅRD 74 ; ZENZÉN 75 ; Sweden (Öland), WESTERGÅRD 73 ; U.S.A. (Alabama), PŘIBYL 48 ; U.S.A. (New York, Vermont), Canada (Quebec), RASETTI 49 ; U.S.A. (Texas), DECKER 12 ; U.S.A. (Virginia, Alabama, Tennessee), BUTTS 8, 9.

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N.B.—*The numbers in large Clarendon type refer to the list of Titles where the full reference will be found ; those in small Clarendon type to the volume number of the reference. Since all the species of the group are fossil; the † used elsewhere in the Zoological Record to indicate fossils is here omitted.*

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Alokistocare virginicum Resser p. 66 pl. lxv, figs. 6*a*, 17, 18, *A. ? clevelandense* Resser pl. lxv fig. 14*b*, *A.* sp. pl. lxv fig. 22*a*, BUTTS **8**, **9**.

Alokistocarella typicalis Resser p. 66 pl. lxv fig. 6*b*, *A.* sp. pl. lxv fig. 22, BUTTS **8**, **9**.

Amecephalina poulseni Resser p. 66 pl. lxv fig. 20, BUTTS **8**, **9**.

Amecephalus mendozanus revised generic assignment for *Plesioparabolina mendozana* Rusconi 1935 p. 232 pl. i fig. 13. LEANZA **30**.

Amphoton sp. reported from China (Kueichou) p. 186, LU **32**.

Ampyx americanus Safford & Vogdes p. 167 pl. lxxxii figs. 24, 25, *A.* spp. pl. lxxxii figs. 20–23, *A. hastatus* Ruedemann pl. ci figs. 14, 15, BUTTS **8**, **9**.

Ampyxina scarabeus **sp. n.** Ordovician (Middle) U.S.A. (Virginia) p. 75 pl. lxxxii figs. 1–3, BUTTS, Bull. Geol. Surv. Virginia **52** 2 1941.

Anisopyge Girty characters tabulated p. 8 considered to be a subgenus of *Pseudophillipsia* [quod vide] p. 20, WEBER **72**.

Anisopyge Girty referred to Proetidae (Phillipsiinae) p. 124, PŘIBYL **45**.

Anoria bantius (Walcott) pp. 59, 66 pl. lxv fig. 14*a*, BUTTS **8**, **9**.

Antagmus Resser 1936, revised diagnosis of genus and following species retained : *A. typicalis* Resser, *A. tennesseensis* Resser (which is considered to include genotype of *Litocodia* Resser i.e. *L. typicalis* Resser) and the following newly assigned to the genus :—*Ptychoparella adamsi* (Billings), *P. buttsi* Resser, *P. lancastra* Resser and *P. billingsi* Resser = *P. adamsi* (Billings), *A. ? simplex* Resser considered doubtful p. 63 ; *A. arizonaensis* Resser, *A. cleon* (Walcott), *A. cuneus* (Walcott) referred to *Crassifimbria* **gen. n.** p. 65, *A. pix* (Walcott) referred to *Piaziella* **gen. n.** and *A. skapta* (Walcott) referred to *P.* with reserve p. 64, LOCHMAN **31**.

Aphelaspis walcotti Resser p. 85 pl. lxvi, fig. 32, *A. quadrata* Resser pl. lxvi fig. 33, *A. simulans* Resser pl. lxvi fig. 34, BUTTS **8**, **9**.

Arctinurus nereus (Hall) pp. 21, 106, 112 Upper Clinton, New York, GILLETTE **15**.

Areia Barrande 1872 not considered a neotenic form p. 13, PRANTL & PŘIBYL **42**.

Areiinae **subfam. n.** [Cheiruridae] for *Areia* Barrande 1872, diagnosis and discussion p. 13, PRANTL & PŘIBYL Sborn. Národ. Mus. Praze Acta Mus. Nat. Prag. **3B** 1 Geol. Paleont. 1 1947.

Arethusina konincki Reed 1904 pl. xi figs. 14, 15 renamed *Aulacopleura* (*Paraaulacopleura*) *reedi* **nom. n.** Ordovician (Middle) Britain Scotland p. 541, *A. peltata* Novák 1890 probably belongs to a new unnamed genus, '*A.*' *ameri-*

cana Walcott and '*A.*' *argentina* Kayser probably belong to Olenidae or Ptychopariidae certainly not to Otarionidae p. 541, PŘIBYL **48**.

Arthrorachis elspethi Raymond pp. 157, 158 pl. lxxxi figs. 11–14, *A.* cf. *elspethi* p. 200 pl. ci figs. 23–26, BUTTS **8, 9**.

Asaphus nobilis Barrande p. 220, pl. i, figs. 6, 7 in Portugal, THADEU **65**.

Asteropyge richteri (Kegel), *A.* aff. *michelini* (Roualt) listed as Middle Siegenian species p. 154, *A.* cf. *m.* as Upper Siegenian p. 184, *A. drevermanni* R. Richter, *A. schmidti* R. Richter, *A. rotundifrons* Emmerich as Lower Emsian p. 219, *A. kochi* Kayser, *A. rotundifrons* pp. 265, 270, *A. lethaea* Kayser p. 265 as Upper Emsian, see also pp. 337–8, ASSELBERGHS **4**.

Astroproetus Begg referred to Tropidocoryphinae p. 110, PŘIBYL **45**.

Astycoryphe R. & E. Richter diagnosis given, genus discussed p. 112, *A. senckenbergiana* R. & E. Richter p. 113 pl. i fig. 8, *A. gracilis* Barrande sp. (= *Proetus astyanax* Hawle & Corda), *A. westfalica* R. & E. Richter, *A. brilonensis* R. & E. Richter, *A. nováki* Beyer, *A. champernowni* (Whidborne) p. 113, PŘIBYL **45**.

Aulacopleura Hawle & Corda comprises two subgenera p. 538, *A.* (*A.*) *bohemica* **sp. n.** Devonian (Middle) Czechoslovakia p. 539 pl. lxxx figs. 1–10, *A.* (*A.*) *konincki konincki* (Barrande) p. 540 pl. lxxx figs. 11, 12 hypostomes text-figs. 10, 11, Perner's 1916 incorrect figures of hypostome reproduced text-fig. 6, 7; *A.* (*Paraaulacopleura*) Chaubert 1937 range considered to be from Middle Ordovician to Middle Devonian p. 541, *A.* (*P.*) *beyrichi* Novák p. 541 pl. lxx figs. 13, 14, *A.* (*P.*) *roquemaillerensis* Chaubert, *A.* (*P.*) *sandbergeri* (Barrande), *A.* (*P.*) *münsteri* (Gumbel), *A.* (*P.*) *kayseri* (Holzapfel) p. 541, *A.* (*P.*) *reedi* **nom. n.** for *A. konincki* Reed 1904 *non* Barrande 1852 p. 541, PŘIBYL J. Paleont. **21** 6 1947.

Aulacopleuridae Angelin 1854 considered to be a subfamily of Otarionidae p. 537, diagnosis given p. 538, PŘIBYL **48**.

Aulacopleurinae *see* Otarionidae.

Austinvillia virginica Resser p. 53 pl. lxiv fig. 29, BUTTS **8, 9**.

Basilicus spp. pl. lxxix figs. 4–11, *B.* ? pl. lxxxv fig. 17, *B.* cf. *B. marginalis* (Hall) pl. ci figs. 30, 31, BUTTS **9**.

Basidechenella sverdrupi p. 22 pl. i fig. 5, *B. spaekkassensis* p. 23 pl. i figs. 6–8 **spp. n.**, *B.* sp. p. 24 pl. i fig. 9, *B.* sp. p. 25 pl. i fig. 10 Devonian (Middle), *B.* sp. p. 25 pl. i figs. 11, 12 Devonian (Upper) Canada (Ellesmere Land), TOLMACHOFF Rep. 2nd Norw. Arct. Exped. "Fram" 1898–1902 Suppl. vol. no. 38 1938.

Basilicus yunnanensis (Reed) p. 3, SUN **58**.

Bathyurellus teicherti Poulsen p. 325 pl. xxii figs. 10–13, POULSEN **37**.

Bathyurus ? sp. pl. lxviii figs. 23–25, *B.* sp. pl. lxxv figs. 26–29, *B.* aff. *B. johnstoni* Raymond p. 189 pl. xciv fig. 27, *B.* ? sp. pl. xciv figs. 28, 29, BUTTS **8, 9**.

Bavarilla hofensis (Barrande) p. 24 text-figs. 1–4, pl. ii figs. 1–11, PRANTL & RŮŽIČKA **43**.

Benthamaspis **gen. n.** [superficially like but probably unrelated to Nileidae] for type *B. problematica* **sp. n.** Ordovician (Lower) Canada (Ellesmere Land) p. 325 pl. xxii figs. 14–16, POULSEN Quart. J. Geol. Soc. **102** for 1946, 1947.

Bicaspis austinvillensis Resser p. 55 pl. lxiv figs. 7, 8, BUTTS **8, 9**.

Blackwelderia biloba **sp. n.** p. 43 pl. i fig. 4, *B.* **sp. n.** p. 124 pl. ii fig. 3, Cambrian (Middle) China (Shantung), KOBAYASHI J. Geol. Soc. Japan **49** 1942.

Blainiopsis **gen. n.** [near *Blainia*] for type *B. holtedahli* **sp. n.** [*Ptychoparia* sp. Holtedahl 1913] p. 313 pl. xix figs. 10–15; *B. benthami* p. 314 pl. xix fig. 16, pl. xx figs. 1, 2, *B. scheii* p. 315 pl. xx fig. 3 **spp. n.**, *B.* ? sp. p. 316 pl. xx fig. 5 Cambrian (Middle) Canada (Ellesmere Land), POULSEN Quart. J. Geol. Soc. **102** for 1946, 1947.

Blountia rogersvillensis Resser pl. lxvi figs. 16, 17, *B. bristolensis* Resser pp. 80, 85 pl. lxvi fig. 19, *B. alexas* Resser pl. lxvi fig. 20, BUTTS **8, 9**.

Blountiella ? johnsoni **sp. n.** Cambrian (Upper) Newfoundland p. 538 pl. i figs. 4–6, TROELSEN Amer. J. Sci. Newhaven **245** 9 1947.

Blountiella buttsi Resser p. 85 pl. lxvi fig. 15, BUTTS **8, 9.**

Bolbocephalus glaber Poulsen recorded from Ellesmere Land p. 326, POULSEN **37.**

Bonnaspis clavata (Walcott) revised generic assignation for *Bonnia clavata* with its synonym *B. salemensis* Resser p. 68, LOCHMAN **31.**

Bonnia Walcott 1916 diagnosis revised and following species retained: *B. parvula* (Billings) [genotype], [*B. westoni* Resser, *B. billingsi* Resser & *B. matthewi* Resser all considered synonyms of *B. parvula*], *B. senecta* (Billings), *B. brennus* (Walcott) [*B. quebecensis* Resser considered synonym], *B. bubaris* (Walcott), *B. busa* (Walcott), *B. bicensis* Resser, *B. capito* (Walcott) [*B. wanneri* Resser and *B. tumifrons* Resser considered synonyms], *B. swantonensis* Resser [*B. vermontensis* Resser considered synonym], *B. crassa* Resser, *B. fieldensis* Resser, *B. columbensis* Resser, *B. tenuis* Resser based on a pygidum may belong to a described cranidum, *B. tensa* Resser; *B. sola* Resser & Howell of doubtful validity; *B. clavata* (Walcott) with its synonym *Bonnia salemensis* Resser is referred to *Bonnaspis* p. 68, LOCHMAN **31.**

Bonnia crassa Resser p. 55 pl. lxiv figs. 9–11, BUTTS **8, 9.**

Bonniella minor Resser p. 55 pl. lxiv figs. 20, 21, *B. virginica* Resser p. 55 pl. lxiv figs. 22, 23, BUTTS **8, 9.**

Bonniopsis **gen. n.** [near *Bonnia*] for type *B. nasuta* **sp. n.** p. 310 pl. xix figs. 4, 5, *B. rostrata* **sp. n.** p. 311 pl. xix figs. 6, 7 ?, 8, Cambrian (Lower) Canada (Ellesmere Land), POULSEN Quart. J. Geol. Soc. **102** for 1946, 1947.

Brachymetopus ? caucasicus [Licharew nom. in coll.] **sp. n.** pp. 15, 24 pl. ii fig. 15 Permian USSR, WEBER Paleont. USSR Monogr. **71** 2 1944.

Bronteopsis gregaria Raymond pp. 157, 158 pl. lxxxi figs. 7–10, BUTTS **8, 9.**

Bumastus ioxus (Hall) p. 21 Upper Clinton, GILLETTE **15.**

Bumastus cf. *B. lioderma* Raymond pl. lxxviii figs. 3, 4, *B. lioderma* ? pl. lxxix figs. 1–3, BUTTS **9.**

Bynumia cf. *elegans* Resser p. 434 pl. lx fig. 1 Canada (Alberta), FRITZ **14.**

Callavia **sp. n.** p. 352 Morocco, NELTNER & POCTET **35.**

Calliops cf. *C. callicephala* (Hall) p. 189 pl. xciv figs. 30–33, BUTTS **8, 9.**

Calymene birmanica Reed p. 3, SUN **58.**

Calymene calypso p. 236 text-fig. 43 *r*, GOLDRING **16.**

Calymene clintoni (Vanuxem) Middle and Upper Clinton, *C. cresapensis* Proudy Upper Clinton, *C. niagarensis* Hall. *C. senaria* Conrad Lower Clinton p. 21 New York, GILLETTE **15.**

Calymene aff. *replicata* Shirley recorded from Pentland Hills, Scotland p. 290, LAMONT **28.**

Calymene tristani recorded from Spain p. 136, SAMPELAYO & LLOPIS LLADO **53.**

Calymene vogdesi Foerste p. 232 pl. ci figs. 7, 8, 10, 11, *C. niagarense* Auctt. pl. ci figs. 6, 9, *C. granulosa* Foerste pp. 211, 212 pl. ci figs. 20–22, BUTTS **8, 9.**

Calymenella rostrata (Vogdes) p. 21 Lower Clinton, New York, GILETTE **15.**

Cedaria woosteri facial sutures stated to be incorrectly drawn in "North American Index Fossils" pl. 264 fig. 8 p. 496, SHROCK **54.**

Ceratopygidae family discussed, Troedsson's 1937 subdivision into Hysteroleninae and Ceratopyginae disputed, *Lopnorites* Troedsson considered a synonym of *Proceratopyge* Wallerius, but unlike Whitehouse the author regards *Housia* Walcott as distinct from *Proceratopyge* p. 8, WESTERGÅRD **74.**

Ceraurinus (*Osekaspis*) **subgen. n.** for type *Cheirurus comes* Barrande 1872 p. 20 pl. i figs. 8, 9, pl. v fig. 8, Ordovician (Lower) Czechoslovakia, PRANTL & PŘIBYL Sborn. Národ, Mus. Praze Acta Mus. Nat. Prag. **3B** 1 Geol. Paleont. 1 1947.

Ceraurinus ? sp. p. 146 pl. lxxviii figs. 11, 12, BUTTS **8, 9.**

Ceraurioides **gen. n.** [Cheiruridae (Cheirurinae)] for type *C. hawlei* Barrande 1852 p. 17 pl. i figs. 6, 7, 10, 11; pl. ii, fig. 7; pl. v figs. 3, 4 Silurian (Middle) Czechoslovakia, *C. propinquus* Münster 1846 p. 18, PRANTL & PŘIBYL Sborn. Národ. Mus. Praze Acta Mus. Nat. Prag. **3B** 1 Geol. Paleont. 1947.

Ceraurus matranseris **sp. n.** p. 254 pl. i figs. 3, 6 Ordovician (Middle) Canada (Quebec); an example of a large cranidium figured and discussed showing an injured left genal spine repaired during life p. 254 pl. i figs. 4, 5, SINCLAIR Amer. J. Sci. **245** 1947.

Ceraurus or *Ceraurinus* sp. ? pl. lxxxii fig. 14, BUTTS **9**.

Chariocephalus whitfieldi Ulrich & Resser p. 39 pl. ix fig. 15 from Texas, DECKER **12**.

Chaunoproetus recorded from Devonian of Western Australia p. 91, TEICHERT **63**.

Cheiropyge Diener genus defined from pygidial characters only pp. 14, 24, *C. maueri* **sp. n.** Permian USSR pp. 14, 24 pl. ii fig. 14; *C. caucasia* Licharew MS. described as a *Brachymetopus* ? p. 24, WEBER Paleont. USSR Monogr. **71** 2 1944.

Cheiruracea Öpik 1937 accepted to include Cheiruridae Hawle & Corda, Eucrinuridae [error pro Encrinuridae] Angelin and Pliomeridae Öpik p. 6, PRANTL & PŘIBYL **42**.

Cheiruridae Hawle & Corda 1847 emend. Raymond 1913 discussed and Öpik's further emendation adopted i.e. Pliomeridae excluded but Areiinae **subfam. nov.** included, this with Cheirurinae Raymond, Cyrtometopinae Öpik, Deiphoninae Raymond, Sphaerexochinae Öpik accepted as constituting the family p. 7, PRANTL & PŘIBYL **42**.

Cheirurinae Raymond 1913 [Cheiruridae] diagnosis given and accepted to include *Cheirurus* Beyrich 1845, *C.* (*Crotalocephalus*) Salter 1853, *C.* (*Pseudocheirurus*) **subgen. n.**, *Ceraurus* Green 1832, *C.* (*Osekaspis*) **subgen. n.**, *Lehua* Barton 1915, *Ceraurioides* **gen. n.** and with doubt *Krattaspis* Öpik, *Pompeckia* Warburg 1925 and *Cheirurus ? fortis* Barrande p. 8, PRANTL & PŘIBYL Sborn. Národ. Mus. Praze Acta Mus. Nat. Prag. **3B** Geol. Paleont. 1 1947.

Cheirurus (*Pseudocheirurus*) **subgen. n.** for type *C. beyrichi* Barrande 1846 p. 15 pl. i figs. 15–17, pl. v figs. 1, 2 Silurian (Middle) Czechoslovakia, *C.* (*C.*) *insignis* Beyrich p. 14 pl. ii figs. 3, 4, pl. v figs. 5, 6, *C.* (*C.*) *quenstedti* Barrande p. 14 pl. i figs. 1, 4, 5, pl. ii figs. 8, 9, *C.* (*C.*) *obtusatus* Hawle & Corda, *C.* (*C.*) *furcatus* Barrande, *C.* (*C.*) *bicuspidatus* Bouček, *C.* (*C.*) *transiens* Bouček p. 15, *C.* (*Crotalocephalus*) *gibbus* Beyrich p. 15 pl. i figs. 2, 3, pl. ii figs. 5, 6, *C.* (*Cr.*) *globifrons* (Hawle & Corda) p. 15, *C.* (*Cr.*) *pauper* Barr. p. 15, *C.* (*Cr.*) *sternbergi* (Boeck) pl. ii figs. 10, 11, pl. iv fig. 1, *C.* (*Cr.*) *cordai* Barrande p. 15, *Cheirurus minutus* Barrande considered possible Lichid p. 6, *C. perneri* Růžička not Cheirurid but as yet generically indeterminate p. 6, *C. hofmani* Perner considered to be opisthoparian with affinities with *Petigurus* p. 6, *C. vittatus* Barrande considered to be conspecific with *Eccoptochile* (*Eccoptochiloides*) *scuticauda* Barrande p. 6, *C. ? fortis* Barrande 1872 p. 23 pl. ii figs. 1, 2, *C. bimucronatus* Murchison, *C. keisleyensis* Reed p. 23, *C. hawlei* Barrande made type of *Ceraurioides* **gen. n.** p. 17, *Cheirurus pater* Barrande made subgenotype of *Pseudosphaerexochus* (*Pateraspis*) **subgen. n.** p. 30, *C. neglectus* Barrande genotype of *Stubblefieldia* **gen. n.** p. 32, *C. comes* Barrande made subgenotype of *Ceraurinus* (*Osekaspis*) **subgen. n.** p. 20, *C. tumescens* (Barrande) made subgenotype of *Eccoptochile* (*Eccoptochiloides*) **subgen. n.**, PRANTL & PŘIBYL Sborn. Národ. Mus. Praze Acta Mus. Nat. Prag. **3B** 1 Geol. Paleont. 1 1947.

Cheirurus ? bocagei Delgado p. 228 pl. iii fig. 1, *C. claviger* Beyrich p. 228 pl. iii figs. 2, 3, *C. gelasinosus* Portlock p. 229 pl. iii fig. 4, *C. ? venceslasi* Delgado p. 229 pl. iii fig. 5, *C.* aff. *completus* Barrande p. 230 pl. iii figs. 6, 7, *C.* aff. *verrucosus* Brögger p. 231 pl. iii fig. 8 in Portugal, THADEU **65**.

Cheirurus (*Crotalocephalus*) subgenus divided into two groups, the group of *C. gibbus* and that of *C. sternbergi* p. 2 asymmetrical abnormalities in glabellar furrows in three species considered to be teratological, symmetrical shortening of gl. furrows or development of a longitudinal transverse furrow considered to be gerontic p. 3; *Cr. gibbus* (Beyrich) p. 5 pl. i figs. 1–3, pl. ii fig. 4 text-figs. 1–6 showing these abnormalities; *Cr. globifrons* (Hawle & Corda) no longer considered as a synonym of *Cr. gibbus*, lectotype chosen and figured from original material p. 8 pl. ii fig. 1 p. 8 pl. i figs. 4–6, pl. ii figs. 5–6 also show abnormalities, hypostome also figured; *Cr. sternbergi* (Boeck) p. 11 pl. i fig. 7 text-figs. 7–10 show abnor-

malities but this species seems more stable, probably because less specialised than the two previously mentioned, PRANTL **40**.

Cheirurus niagarensis (Hall) p. 21 Upper Clinton, New York, GILLETTE **15**.

Choffatia see *Delgadoa*.

Ciceragnostus ? falanensis **sp. n.** Cambrian (Upper) Sweden (Västergotland) p. 7 pl. i fig. 14, WESTERGÅRD Avh. Sver. geol. Undersökn. (C) **489** Årsb. **418** 1947.

Clypoproetus Begg referred to Tropidocoryphinae p. 109, PŘIBYL **45**.

Clavaspidella digesta **sp. n.** Cambrian (Middle) Argentine p. 228 pl. i figs. 5, 7, 12, 17. LEANZA Rev. Mus. la Plata Paleont. **3** 1947.

Clavaspidella ? recorded from Ellesmere Land p. 316, POULSEN **37**.

Clevelandella aruno (Walcott) pl. lxvi figs. 13, 14, BUTTS **9**.

Coignouina see *Otarion*.

Conocoryphe rouayrouxi Munier-Chalmas & Bergeron made type of *Solenopleuropsis* **gen. n.** p. 59, THORAL C.R. Acad. Sci. Paris **224** 1 1947.

Conocoryphe sulzeri Schlotheim p. 28 pl. ii figs. 3, 4, *C. heberti* Munier-Chalmas p. 30, *C. coronata* Barrande p. 30, *C.* aff. *levyi* Munier-Chalmas p. 31, MELENDEZ **34**.

Coosia calanus (Walcott) p. 85 pl. lxvii figs. 11, 15, *C. robusta* (Walcott) pl. lxvii fig. 12, *C. latilimbata* Resser p. 85 pl. lxvii figs. 13, 14, *C. superba* Walcott pl. lxvii fig. 16, BUTTS **8, 9**.

Cornuproetus R. & E. Richter 1919 see *Proetus*.

Crassifimbria **gen. n.** for type *Onchocephalus walcotti* Resser 1937 p. 71 text-figs. 1–3 ; *C. cuneus* revised generic assignation for *Antagmus c.* (Walcott), *C. cleon* for *A. cleon* (Walcott) and *C. arizonaensis* for *A. arizonaensis* Resser p. 64 ; *C. ? georgiensis* revised assignation for *Ptychoparella g.* Resser p. 66, Cambrian (Lower) U.S.A., LOCHMAN J. Paleont. **21** 1 1947.

Crepicephalus greendalensis Resser pp. 80, 82, 85 pl. lxvii fig. 7, *C. buttsi* Resser p. 85 pl. lxvii figs. 8, 9, *C. rectus* Resser p. 85 pl. lxvii fig. 10, BUTTS **8, 9**.

Crotalocephalus see *Cheirurus*.

Cryphina ? gdoumontensis (Asselberghs) listed as Upper Gedinnian species pp. 93, 337, ASSELBERGHS **4**.

Cryptolithus (*Onnia*) *ornatus* (Sternberg) photograph of Bohemian example text-fig. 1, LAMONT **29**.

Cryptolithus tessellatus Green p. 212 pl. ci figs. 16–19, BUTTS **8, 9**.

Ctenopyge pecten (Salter) most complete specimens so far collected p. 17 pl. iii fig. 12, WESTERGÅRD **74**.

Cybelopsis speciosa Poulsen recorded from Ellesmere Land p. 326, POULSEN **37**.

Cyphaspides Novák considered type genus of Otarionidae (Cyphaspidinae) **subfam. n.** p. 538, *C. holinensis* Růžička hypostome figured text-figs. 8, 9, PŘIBYL **48**.

Cyphaspides cerberus (Barrande), *C. truncata* (Roemer) p. 3, PŘIBYL **47**.

Cyphaspides holinensis Růžička recorded from g_γ strata of Czechoslovakia p. 152, PRANTL **39**.

Cyphaspidinae **subfam. n.** see Otarionidae.

Cyphinium Weber generic characters tabulated p. 8, *C. sylvenense* pp. 9, 21 pl. i figs. 1–9 text-fig. 2, *C. ? paffenholzi* pp. 10, 21 pl. ii figs. 5–7, 10 **spp. n.**, *C. netchaevi* Weber p. 11 pl. ii fig. 13, *C. ? rotundus* Weber pp. 16, 25 pl. i figs. 23, 24, "*C.* ? gen. et sp. indet. (*Cyph. sylvense* ?)" p. 15 pl. i fig. 10, *C. artinskense* Weber pl. i figs. 11–14 Permian USSR, WEBER Paleont. USSR Monogr. **71** 2 1944.

Cyphoproetus Kegel 1927 diagnosis given, genus discussed p. 105, *C. depressus* (Barrande) p. 16, copy of Barrande's figures pl. i figs. 2, 9a, *C. externus* Reed, *C. punctillosus* (Lindström), *C. rugosus* Bouček p. 106, genus stated to range from Upper Wenlock to Middle Ludlow p. 106, PŘIBYL **45**.

Cyrtometopinae Öpik 1937 diagnosis given and taken to include *Cyrtometopus* Angelin 1854, *Actinopeltis* Hawle & Corda 1847 *non* Poulsen 1946, *Anacheirurus* Reed 1898, *Eccoptochile* Hawle & Corda, *E.* (*Eccoptochiloides*) **subgen. n.**, *Youngia* Lindström 1885 *non* Jones & Kirkby 1886, *Kawina* Barton 1920, *Niezskowskia* Schmidt 1881, *Pilekia* Barton 1920, *Parapilekia* Kobayashi 1935, *Reraspis* Öpik 1937, *Seisonia* Kobayashi 1935, *Pseudo-*

sphaerexochus Schmidt 1881, *P.* (*Pateraspis*) **subgen. n.** and doubtfully *Hemisphaerocoryphe* Reed 1896 and *Stubblefieldia* **gen. n.** p. 9, PRANTL & PŘIBYL Sborn. Národ. Mus. Praze Acta Mus. Prag. **3B** Geol. Paleont. 1947.

Cyrtometopus ? neuter (Barrande) revised generic reference for *Cheirurus n.* p. 24, PRANTL & PŘIBYL **42.**

Cyrtosymbole richteri **sp. n.** Devonian (Middle) Canada (Ellesmere Land) p. 26 pl. i figs. 13, 14, TOLMACHOFF Rep. 2nd Norw. Arct. Exped. "Fram" 1898–1902 Suppl. vol. no. 38 1938.

Cyrtosymbole recorded from Upper Devonian of Western Australia p. 91, TEICHERT **63.**

Dalmanites scheii **sp. n.** p. 21 pl. i fig. 1, *D.* sp. p. 21 pl. i fig. 2, *D.* sp. p. 22 pl. i fig. 3, *D.* sp. p. 22 pl. i fig. 4, pl. ii figs. 20, 21 Devonian (Middle) Canada (Ellesmere Land), TOLMACHOFF Rep. 2nd Norw. Arct. Exped. "Fram" 1898–1902 Suppl. vol. no. 38 1938.

Dalmanites asselberghsi Maillieux listed as Middle Siegenian species pp. 154, 337, ASSELBERGHS **4.**

Dalmanites limulurus (Green) p. 249 pl. civ figs. 14, 15, *D. pleuroptyx* (Green) p. 278 pl. cviii figs. 26, 27, *D. aspectans* Conrad ? p. 305 pl. cxvi figs. 11, 12, BUTTS **8, 9.**

Dalmanites (*Synphoria ?*) *micrurus* (Green) p. 158 text-fig. 26 *p.*, *D. pleuroptyx* Green p. 165 text-fig. 31 *u*, GOLDRING **16.**

Dalmanites angelini Barrande p. 232 pl. iii fig. 13, *D. socialis proaeva* Emmrich p. 233 pl. iii figs. 14–16 in Portugal, THADEU **65.**

Dalmanites limulus (Green) pp. 21, 106 Upper Clinton, New York, GILLETTE **15.**

Damesellidae see *Drepanura.*

Dechenella sinensis **sp. nondescr.** p. 432 Silurian (Upper) China (Yunnan), SUN Science Record publ. Academia Sinica **1** 3 1945 [Reprinted as Contrib. Geol. Inst. Nat. Univ. Peking **23** 1947].

Dechenellinae **subfam. n.** [Proetidae] diagnosis given to include *Dechenella* Kayser, *Schizoproetus* R. Richter and *Proetina* Přibyl p. 121 range Lower Devonian to Lower Carboniferous. PŘIBYL Bull. int. Acad. Sci. Prague **46** for 1945, 1946.

Decoroproetus **subgen. n.** see *Proetus.*

Deiphoninae Raymond 1913 accepted tentatively to include *Deiphon* Barrande 1850, *Onycopyge* Woodward 1880, *Sphaerocoryphe* Angelin 1852 and with doubt *Hemisphaerocoryphe* Reed 1896 p. 3, PRANTL & PŘIBYL **42.**

Delgadoa **nom. n.** for *Choffatia* [stated to be invalid because name previously used for a genus of plants], *D. loredensis* (Delgado) p. 222 pl. i figs. 8–12 Ordovician (Middle) Portugal, THADEU Bol. Soc. Geol. Portugal **6** 3 1947.

Denemarkia **gen. n.** [Proetidae] for type *Proetus frontalis* Hawle & Corda Devonian (Lower) Czechoslovakia p. 3 text-figs. 4, 5, PŘIBYL Příroda [Brno] **38** 5–6 1946.

Denemarkia Přibyl diagnosis given, genus discussed, assigned to Proetidae (Tropidocoryphinae) p. 113, *D. frontalis* (Hawle & Corda) p. 24 pl. i fig. 7, pl. ii figs. 1–3a, PŘIBYL **45.**

Dikelocephalidae, migration of p. 24, KOBAYASHI **27.**

Dionide holdeni Raymond p. 167 pl. lxxxii figs. 26, 27, BUTTS **8, 9.**

Ditomopyge Newell not accepted as the valid name for *Cyphinium* Weber since the writer is "not certain that the pygidia of immature individuals of *Cyphinium* or of *Cyphinium scitulum* M. & W. which is [was] selected by him as the genotype have the characters of *Ditomopyge* and moreover, only these characters and no other ones" p. 20, WEBER **72.**

Dorypygella longa **sp. n.** Cambrian (Middle) China (Shantung) p. 124 pl. ii fig. 5, KOBAYASHI J. Geol. Soc. Japan **49** 1942.

Drepanura eremita **sp. n.** Cambrian (Upper) Sweden (Västergotland) p. 12 pl. iii figs. 9–11, the first representative of this genus of the Damesellidae to be recorded outside Eastern Asia when its age is considered to be late Middle Cambrian, WESTERGÅRD Avh. Sver. geol. Undersökn. (C) **489** Årsb. **41** 8 1947.

Drevermannia (*Eodrevermannia*) **subgen. n.** for type *E. bouškai* **sp. n.** Devonian (Middle) Czechoslovakia p. 5 text-fig. 10, PŘIBYL Příroda [Brno] **38** 5–6 1946.

Drevermannia discussed p. 113, *P.* (*Eodrevermannia*) diagnosis of subgenus

p. 13, *D.* (*E.*) *bouškai* [Přibyl 1946] described as sp. n. p. 115 text-fig. 1. [reconstruction of complete specimen] pl. ii fig. 10, pl. iii figs. 1–5, pl. iv figs. 1–2, *P.* (*E.*) *nitida* [Růžička MS] **sp. nondescr.** p. 15, PŘIBYL **45.**

Drevermannia recorded from Upper Devonian of Western Australia p. 91, TEICHERT **63.**

Eccoptochile (*Eccoptochiloides*) **subgen. n.** for type *Cheirurus tumescens* Barrande p. 26 pl. vi fig. 3 Ordovician Czechoslovakia, *E.* (*Eccoptochiloides*) *scuticauda* (Barrande) p. 27 pl. vi fig. 4, *E.* (*Eccoptochile*) *clavigera clavigera* (Beyrich) p. 24 pl. ii figs. 12–13 pl. vi fig. 2, *E.* (*E.*) *c. aspera* Hawle & Corda p. 26 pl. iii fig. 7, *E.* (*E.*) *sedgwicki* McCoy, *E.* (*E.*) *guilleri* Tromelin p. 26, *Eccoptochile pater* (Barrande) referred to *Pseudosphaerexochus* (*Pateraspis*) p. 31, PRANTL & PŘIBYL Sborn. Národ. Mus. Praze Acta Mus. Nat. Prag. **3B** 1 Geol. Paleont. 1 1947.

Elliptocephala asaphoides Emmons p. 83 text-fig. 18 *o*, GOLDRING **16.**

Elrathia ? p. 317 pl. xx, fig. 4 Cambrian (Middle) Canada (Ellesmere Land), POULSEN Quart. J. Geol. Soc. **102** 1946, 1947.

Elrathiella buttsi Resser p. 66 pl. lxv figs. 7–9, BUTTS **8, 9.**

Elvinia sp. p. 434 pl. lx fig. 1, Canada (Alberta), FRITZ **14.**

Encinurus [error pro *Encrinurus*] *rex* p. 431, SUN **57.**

Encrinuridae (Staurocephalinae) **subfam. nov.** for *Staurocephalus* Barrande p. 12, PRANTL & PŘIBYL Sborn. Národ. Mus. Praze Acta Mus. Nat. Prag. **3B** 1 Geol. Paleont. 1 1947.

Encrinurus cf. *onniensis* Whittard, *E.* cf. *shelvensis* Whittard recorded from Pentland Hills, Scotland p. 290, LAMONT **28.**

Encrinurus ornatus (Hall & Whitfield) p. 21 Clinton, New York, GILLETTE **15.**

Encrinurus sp. p. 146 pl. lxxviii fig. 7, BUTTS **8, 9.**

Eocyphinium Reed, *Phillipsia mucronata* McCoy [wrongly] quoted as genotype p. 123, PŘIBYL **45.**

Eodrevermannia **subgen. n.** see *Drevermannia.*

Eoharpes nomenclature discussed p. 252, SINCLAIR **55.**

Eoharpes domina **sp. nondesc.** quoted from Pentland Hills, Scotland p. 289, LAMONT **28.**

Eoharpes sp. p. 177 pl. lxxxv figs. 12, 13, BUTTS **8, 9.**

Eoharpes sp. p. 177 pl. lxxxv figs. 12, 13, BUTTS **8, 9.**

Eophacops elliptifrons cf. *glaber* Marr and Nicholson recorded from Pentland Hills, Scotland p. 290, LAMONT **28.**

Eops eo Richter reported from Lower Cambrian of Morocco, Spanish Upper Cambrian age doubted p. 352, NELTNER & POCTEY **35.**

Eremiproetus R. & E. Richter 1919 see *Proetus.*

Exochops Weller referred to Proetidae (Phillipsiinae) p. 124, PŘIBYL **45.**

Genevievella campbelli Resser p. 85 pl. lxvi figs. 1, 2, *G. wallacensis* Resser p. 85 pl. lxvi figs. 3, 4, *G. clinchensis* Resser p. 85 pl. lxvi fig. 5, *G. virginica* Resser p. 85 pl. lxvi fig. 6, BUTTS **8, 9.**

Glaphurina brevicula Ulrich p. 153 pl. lxxxi figs. 1, 2, BUTTS **8, 9.**

Glaphurus latior Ulrich pp. 157–8 pl. lxxxi figs. 5, 6, *G.* sp. p. 153 pl. lxxxi figs. 3, 4, BUTTS **8, 9.**

Glossopleura cf. *expansa* Poulsen p. 317 pl. xx figs. 7, 8, *G. longifrons* Poulsen p. 318, *G. walcotti* Poulsen p. 319, POULSEN **37.**

Glossopleura virginica Resser p. 66 pl. lxv figs. 12, 14*c*, *G. buttsi* Resser p. 66 pl. lxv fig. 13, BUTTS **8, 9.**

Glyptagnostus reticulatus nodulosus **subsp. n.** p. 7 pl. i figs. 7–9, *G. reticulatus* (Angelin) discussed, *G. toreuma* Whitehouse from Australia, *G. angelini* Resser and *G.* "*reticulatus*" Kobayashi from North America considered synonyms p. 5 pl. i figs. 1–6 Cambrian (Upper) Sweden, WESTERGÅRD Avh. Sver. geol. Undersökn. (C) **489** Årsb. **41** 8 1947.

Goldius niagarensis (Hall) p. 21 Lower Clinton, New York, GILLETTE **15.**

Goniotelus bøggildi (Poulsen), *G. crassicornis* Poulsen p. 327, *G.* sp. indet. p. 327 pl. xxii fig. 17 Ordovician (Lower) Canada (Ellesmere Land), POULSEN Quart. J. Geol. Soc. **102** for 1946, 1947.

Greenops [*Cryphaeus*] *boothi* (Green) p. 253 text-fig. 48 *r*, GOLDRING **16**.

Griffithides (*Neogriffithides*) cf. *almensis* Toumansky pp. 11 22 pl. i figs. 15, 16, *G.* ? (*Cyphinium* ?) *rotundus* Weber pp. 16, 25 pl. i figs. 23, 24, *G.* ? sp. ind. I p. 16 pl. ii fig. 19, *G.* ? sp. indet. II p. ii fig. 18 Permian USSR, WEBER Paleont. USSR Monogr. **71** 2 1944.

Griffithides sp. in Morocco p. 125, TERMIER **64**.

Hamashania **gen. n.** [Dikelocephalidae (Sankinae *sic* error pro Saukiinae)] for type *H. pulchera* **sp. n.** Cambrian (Upper) Manchuria p. 118 text-fig. 1–4, KOBAYASHI J. Geol. Soc. Japan **49** 1942.

Harpes nomenclature discussed, *H.* cf. *ottawaensis* Billings, left [sic] limb of brim damaged and repaired during life, injury duplicates one previously reported by Warburg in *Harpes wegelini* p. 252 pl. i figs. 1, 2, SINCLAIR **55**.

Harpes recorded from Upper Devonian of Western Australia p. 91, TEICHERT **64**.

Highgatea bisinuata Raymond (partim) referred to *Keithiella raymondi* Rasetti **sp. n.** p. 541 pl. i fig. 22, RASETTI **48**.

Homagnostus genus not considered to be based on characters sufficiently distinctive from those of *Agnostus* s. stricto [*quod vide*] to merit more than subgeneric recognition p. 4, WESTERGÅRD **74**.

Homalonotus mendes-correai **sp. n.** p. 513 text-figs. 1–6, *H.* cf. *gigas* Roemer p. 514 text-fig. 7, *H.* sp. text-fig. 8 Devonian (Lower) Portugal, CARRINGTON DA COSTA Bull. Soc. portug. Cienc. nat. **13** Suppl. 3 1942.

Homalonotus (*Digonus*) *roemeri* Gosselet listed as Lower Gedinnian species pp. 48, 49, *H.* (*D.*) *ornatus disornatus* R. & E. Richter, *H.* (*Burmeisteria*) *armatus armatus* Burmeister, *H.* cf. *gervillei* determined as Middle Siegenian species p. 154, *H.* (*Dipleura*) *planus* Sandberger, *H.* (*Digonus*) *o. d.*, *H.* (*B.*) *a. a.*, *H.* (*B.*) *maillieuxi* Asselberghs, *H.* (*B.*) *aculeatus* Koch, *H.* (*B.*) cf. *champernownei* H. Woodward p. 184, *H.* (*D.*) aff. *multicostatus* Koch p. 337 as Upper Siegenian, *H.* (*Digonus*) *gigas* A. Roemer, *H.* (*D.*) *rhenanus* Koch, *H.* (*Dipleura*) *p.*, *H.* (*B.*) *a. a.*, *H. crassicauda* Sandberger, *H. ornatus* Koch p. 229, *H.* (*D.*) *multicostatus* p. 338, as Lower Emsian, *H. armatus* p. 245, *H.* (*Dipleura*) *planus*, *H.* (*Digonus*) *mosanus* Maillieux p. 248, *H.* (*D.*) *intermedius* p. 249 as Middle Emsian, *H. gigas* pp. 265, 270, *H. crassicauda* Sandberger, *H. rhenanus*, *H.* cf. *ornatus* p. 265 as Upper Emsian, see also pp. 337–338, ASSELBERGHS **4**.

Homalonotus delphinocephalus (Green) pp. 21, 106, 112 Upper Clinton New York, GILLETTE **15**.

Homalonotus dekayi (Green) p. 253 text-fig. 48 *g*, GOLDRING **16**.

Homotelus ? pl. lxxv figs. 12, 13, *H.* sp. p. 146 pl. lxxviii figs. 13–16, *H.* sp. pl. lxxxi figs. 15, 16, *H. simplex* (Raymond & Narraway) p. 200 pl. ci figs. 27, 28, BUTTS **8, 9**.

Housia Walcott, Whitehouse's 1939 opinion that this genus is a synonym of *Proceratopyge* Wallerius disputed p. 9, WESTERGÅRD **74**.

Hyboaspis shuleri Raymond p. 153 pl. lxxix fig. 15, BUTTS **8, 9**.

Hystricurus affinis **sp. n.** p. 331 pl. xxiii figs. 12, 13, *H. crassilimbatus* Poulsen p. 327 pl. xxii fig. 18 Ordovician (Lower) Canada (Ellesmere Land), POULSEN Quart. J. Geol. Soc. **102** for 1946, 1947.

Hystricurus conicus (Billings) pp. 99, 117 pl. lxviii figs. 26–29, BUTTS **8, 9**.

Idiomesus Raymond, generic diagnosis emended, *Stigmametopus* Rasetti suppressed as a synonym of *Idiomesus* p. 538, *I. tantillus* Raymond p. 538 pl. i figs. 1–3, *I. levisensis* revised generic assignations for *Stigmatometopus l.* Rasetti p. 539, RASETTI **49**.

Illaenus depressicapitatus Bradley p. 531 pl. i figs. 2–4, *I. angusticollis* Billings p. 534 pl. i figs. 5–7, *I. conradi* Billings p. 534 pl. i fig. 1 all show to a varying degree supposed muscle scar depressions in internal surface of glabella, discussed, SINCLAIR **56**.

Illaenus loredensis Delgado p. 221 pl. ii figs. 1–3, *I. wahlenbergianus* Barrande p. 222 pl. ii fig. 4, THADEU **65**.

Illaenus ? pl. lxxv fig. 30, *I.* cf. *I. consimilis* Billings pl. lxxviii figs. 9, 17, *I. fieldi* Raymond ? pl. lxxix figs. 12–14, *I. fieldi* p. 177 pl. lxxxv figs. 4–11, BUTTS **8, 9**.

Irvingella suecica **sp. n.** p. 16 pl. iii figs. 1–3, 4 ?, *I. suecica marginata* **subsp. n.** p. 17 pl. iii figs. 5, 6 Cambrian (Upper) Sweden (Ångermanland), WESTERGÅRD Avh. Sver. geol. Undersökn. (C) **489** Årsb. **41** 8 1947.

Isoteloides ? polaris Poulsen recorded from Ellesmere Land p. 327 pl. xxiii fig. 1, POULSEN **37**.

Jeffersonia sp. pl. lxviii fig. 22, BUTTS **9**.

Jemtella Thorslund 1940 discussed p. 12, PRANTL & PŘIBYL **42**.

Kaskia Weller referred to Proetidae (Phillipsiinae) p. 124, PŘIBYL **45**.

Keithiella raymondi **sp. n.** for *Highgatea bisinuata* Raymond (*partim*) p. 541 pl. 1 fig. 22, *K. speciosa* (Walcott) revised generic assignation for *Ptychaspis speciosus* p. 539 pl. i figs. 4–9 Cambrian (Upper) U.S.A. (New York), RASETTI Amer. J. Sci. New Haven **244** 6 1946.

Kingstonia apion Walcott pl. lxvi fig. 21, 22, *K. walcotti* Resser pl. lxvi figs. 23, 24, *K. clevelandensis* Resser pl. lxvi, fig. 25, *K. virginica* Resser p. 85 pl. lxvi fig. 26, BUTTS **8, 9**.

Kirkella **gen. n.** [resembles *Hamashania*] for type *Asaphus ? curiosus* Billings p. 120 text-figs. 5, 6 Ordovician (Lower) North America, KOBAYASHI J. Geol. Soc. Japan **49** 1942.

Kochina arctica **sp. n.** Cambrian (Middle) Canada (Ellesmere Land) p. 318 pl. xx fig. 6, POULSEN Quart. J. Geol. Soc. **102** for 1946, 1947.

Kolihapeltis **subgen.** see *Scutellum*.

Komaspidae migration of p. 24, KOBAYASHI **27**.

Komaspidae see *Irvingella*.

Kootenia incerta revised generic assignment for *Olenoides ? incertus* Rusconi 1945, *Ogygia isidrensis* Rusconi placed in synonymy, description revised p. 226 pl. i figs. 3, 4, 6, 10, 15, 16, LEANZA **30**.

Kootenia browni Resser p. 55 pl. lxiv figs. 12–14, 33*d*, *K. virginica* Resser p. 55 pl. lxiv figs. 15–17, *K. currieri* Resser p. 55 pl. lxiv fig. 35, BUTTS **8, 9**.

Lecanopleura ? howsei **sp. n.** Cambrian (Upper) Newfoundland p. 540 pl. i figs. 1–3, TROELSEN Amer. J. Sci. Newhaven **245** 9 1947.

Lehua Barton 1915 **nov. emend.** diagnosis and discussion referred to Cheirurinae p. 18, *L. vinculum* (Barrande 1872) the genotype refigured p. 18 pl. iii figs. 1, 2, pl. v fig. 7, *L. princeps* Reed 1908, *L. ? inexpectatum* Reed 1906 p. 20, PRANTL & PŘIBYL Sborn. Narod. Mus. Praze Acta Mus. Prag. **3B** 1 Geol. Paleont. 1 1947.

Lichas beryllifer R. Richter recorded from Upper Emsian p. 265, ASSELBERGHS **4**.

Lichas aff. *convexus* Angelin p. 231 pl. iii fig. 9, *L.* aff. *incola* Barrande p. 232 pl. iii figs. 10–12 in Portugal, THADEU **65**.

Liocalymene clintoni (Vanuxem) pp. 249, 250 pl. civ figs. 16–19, BUTTS **8, 9**.
Liocalymene clintoni see *Calymene*.

Liosolenopleura **gen. n.** [Liostracidae ?] for type *L. serventi* **sp. nondescr.** Cambrian (Middle) France (Languedoc) p. 60, THORAL C.R. Acad. Sci. Paris **224** 1 1947.

Litocodia Resser 1938 generic diagnosis revised and genotype (the only described species), *L. typicalis* Resser referred to synonymy of *Antagmus tennesseensis* Resser p. 63, LOCHMAN **31**.

Lopnorites Troedsson 1937 considered to be synonymous with *Proceratopyge* Wallerius p. 8, WESTERGÅRD **74**.

Maryvillia bristolensis Resser p. 85 pl. lxvi fig. 18, *M. widnerensis* Resser p. 85 pl. lxvi fig. 35, *M. masadensis* Resser p. 85 pl. lxvi figs. 36, 37, BUTTS **8, 9**.

Microdiscus connexus Walcott referred to *Pagetia* p. 80, RASETTI **50**.

Microdiscus speciosus Ford p. 83 text-fig. 18 *q*, *M. lobatus* (Hall) p. 83 text-figs. 18 *r–t*, GOLDRING **16**.

Modocia see *Uncaspis*.

Neogriffithides Toumansky characters tabulated p. 8, considered as subgenus of *Griffithides* [*quod vide*] since the distinctive characters are limited to pygidium p. 10, WEBER **72**.

Neogriffithides Toumansky referred to Proetidae (Phillipsiinae) p. 124, PŘIBYL **45**.

Neoproetus Tesch characters tabulated p. 8, considered as subgenus of *Griffithides* since the distinguishing characters are limited to pygidium p. 10, WEBER **72.**

Niobe brevicauda Poulsen recorded from Ellesmere Land p. 332 pl. xxiii fig. 14, POULSEN **37.**

Norwoodella saffordi (Walcott) pp. 81, 85 pl. lxvi figs. 38–42, BUTTS **8, 9.**

Novákaspis **gen. n.** [Otarionidae] for type *Cyphaspis barrandei* Hawle & Corda Devonian (Middle) Czechoslovakia p. 6 text-figs. 7, 8, PŘIBYL Příroda [Brno] **388** 5–6 1946.

Novákaspis Přibyl, generic diagnosis and discussion p. 3, *N. barrandei* (Hawle & Corda) p. 4 pl. i figs. 7, 8 (new photographs) figs. 1, 2 (restoration of cephalon) text-fig. 2, *N. hydrocephala* (A. Roemer) p. 5 text-fig. 3, *N. ceratophthalmus* (Goldfuss) p. 6 text-figs. 1, A, B, *N. ceratophthalmoides* (R. Richter) p. 6, *N. monachocephalus* (Spriesterbach) p. 6, PŘIBYL **47.**

Novákaspis ceratophthalmus (Goldfuss) figures of hypostomes text-figs. 1, 2 p. 543, *N.* **n. sp.** aff. *barrandei* text-fig. 16 p. 543, PŘIBYL **48.**

Odontocephalus aegeria Hall pp. 302, 305 pl. cxvi figs. 5–7, BUTTS **8, 9.**

Odontocephalus selenurus p. 236 text-fig. 43 *p*, *q*, GOLDRING **16.**

Oedorhachis greendalensis Resser p. 85 pl. lxvi fig. 31, BUTTS **8, 9.**

Ogygia isidrensis Rusconi referred to synonymy of *Kootenia incerta* (Rusconi) [quod vide] p. 226, LEANZA **30.**

Olenellid, unnamed fragment Cambrian (Lower) Canada (Ellesmere Land) p. 310 pl. xix fig. 3, POULSEN Quart. J. Geol. Soc. **102** for 1946 1947.

Olenellus austinvillensis Resser p. 55 pl. lxiv fig. 34, *O. buttsi* Resser pl. lxv fig. 15, *O. romensis* Resser & Howell p. 66 pl. lxv fig. 16, BUTTS **8, 9.**

Olenellus **sp. n.** (*Mesonacis bondoni* Nelter) p. 352 Morocco, NELTNER & POCTET **35.**

Olenid sp. p. 27 pl. ii fig. 12, PRANTL & RŮŽIČKA **43.**

Olenoides ? fallax **sp. n.** Cambrian (Middle) Canada (Ellesmere Land) p. 319 pl. xx fig. 9, POULSEN Quart. J. Geol. Soc. 102 for 1946, 1947.

Olenoides hybridus Resser p. 55 pl. lxiv figs. 24–26, BUTTS **8, 9.**

Olenoides incertus Rusconi referred to *Kootenia* [q.v.] and redescribed p. 226, LEANZA **30.**

Olenopsis affirmed to be a Middle Cambrian genus in Sardinia p. 1, NOVARESE **36.**

Olenopsis ? lotzei **sp. nondescr.** R. & E. Richter p. 30, MELENDEZ **34.**

Onchocephalus Resser 1937, generic diagnosis revised and following species retained : *O. thia* (Walcott), *O. parvus* (Walcott) and the following are newly assigned to the genus : *Syspacephalus virginicus* Resser and *Periomma leuka* (Walcott) p. 63, *O. walcotti* Resser made genotype of *Crassifimbria* **gen. n.** p. 64, genus distinguished from *Syspacephalus* and *Onchocephalus* p. 64, LOCHMAN **31.**

Osekaspis **subgen. n.** see *Ceraurinus.*

Otarion (*Coignouina*) subgenus discussed p. 6, *C. acanthina* (Coignou) p. 7, *C. ? davidsoni* (Barrande) new subgeneric assignation p. 7 but query not present in explanation of text-fig. 11, *C. ? cerberus* (Barrande), *C. ? truncata* (Roemer) p. 7, PŘIBYL **44.**

Otarion (*Coignouina*) diagnosis of subgenus p. 2, *O.* (*C.*) *coronata* Barrande p. 3 pl. i fig. 6, *O.* (*C.*) *davidsoni* Barrande p. 3 Devonian, Czechoslovakia *O.* (*C.*) *acanthina* Coignou p. 3, *O.* (*C.*) *spinaformis* Williams p. 3 ; *O.* (*O.*) *diffractum* Zenker p. 1 pl. i figs. 3, 4, *O.* (*O.*) *stigmatophthalmus* R. Richter (restoration of cephalon) pl. 1 fig. 6, PŘIBYL **47.**

Otarion hypostome thought as yet to be undescribed p. 537, PŘIBYL **48.**

Otarionidae R. & E. Richter 1926 divided into three subfamilies Otarioninae with *Otarion* Zenker, *O.* (*Coignouina*) Reed 1943, *Törnquistia* Reed 1896 [? = *Haploconus* Raymond 1913], *Dimeropyge* Öpik 1937 and possibly *Brachymetopina* Reed 1903, *Cordania* Clarke 1892 and *Namuropyge* R. & E. Richter ; Cyphaspidinae **subfam. n.** for *Cyphaspides* Novák 1890 and possibly *Brachymetopus* McCoy 1847 and *Cheiropyge* Diener ; Aulacopleurinae Angelin

1854 emend. Přibyl for *Aulacopleura* Hawle & Corda and *A.* (*Paraaulacopleura*) Chaubert 1937 p. 538, PŘIBYL J. Paleont. **31** 6 1947.

Otarionidae see *Novákaspis* **gen. n.**

Paedumias ? borealis **sp. n.** Cambrian (Lower) Canada (Ellesmere Land) p. 309 pl. xix fig. 2, POULSEN Quart. J. Geol. Soc. **102** for 1946, 1947.

Pagetia connexus revised generic assignation for *Microdiscus connexus* Walcott p. 80, RASETTI **50.**

Pagetides recognised not only in Parker Shale (Lower Cambrian) of Vermont but also in Schodack formation of New York p. 80, RASETTI **50.**

Panarchaeogenus [error pro *Panarchaeogonus*] Öpik considered but distantly related to *Aulacopleura* p. 543, PŘIBYL **48.**

Paraaulacopleura Chaubert 1937 see *Aulacopleura.*

Parabolina lapponica **sp. n.** Cambrian (Upper) Sweden (S. Lapland) p. 14 pl. iii fig. 8, WESTERGÅRD Avh. Sver. geol. Undersökn. (C) **489** Årsb. **41** 8 1947.

Parabolinella leptoplastorum **sp. n.** Cambrian (Upper) Sweden (Scania) p. 15 pl. iii fig. 7, WESTERGÅRD Avh. Sver. geol. Undersökn. (C) **489** Årsb. **41** 8 1947.

Paradoxides spinosus Boeck pl. xvii *P. mureroensis* R. & E. Richter **sp. nondescr.** p. 30, *P. barrandei* Barrois p. 30 Cambrian (Middle) Spain (Aragon), MELENDEZ **34.**

Paraphillipsia Toumansky characters tabulated p. 8, *P. tschernyshewi* Netchaew pp. 11, 22 pl. i fig. 17, *P. pabara* Weller tentatively considered as a synonym of *P. t.* pp. 11, 22, *P. karpinskyi* Toumansky pygidia consist of 6 not 8 pleural ribs pp. 12, 22 pl. ii figs. 18–20, 22, *P.* sp. ind. p. 12 pl. i fig. 21, WEBER **72.**

Parapilekia bohemica revised generic assignation for *Cyrtometopus b.* Růžička 1926 p. 24, *P. olešnaensis* also for *C. o.* Růžička 1935 p. 24 pl. vi figs. 6, 7, Tremadoc Czechoslovakia, PRANTL & PŘIBYL **42.**

Paraplethopeltis **gen. n.** [pygidium like that of *Plethopeltis*] for type *P. obesa* **sp. n.** p. 555 pl. ii figs. 1–7, 12–14 ; *P. depressa* **sp. n.** p. 558 pl. ii figs. 8–11 Ordovician (Lower) U.S.A. (Texas), BRIDGE & CLOUD Amer. J. Sci. Newhaven **245** 9 1947.

Plethopeltis saratogensis (Walcott) p. 556 pl. ii figs. 15–21, BRIDGE & CLOUD **7.**

Pardailhania **gen. n.** [Solenopleuridae ?] for type *Solenopleura ? hispida* Thoral 1935 Cambrian (Middle) France (Languedoc) p. 60, THORAL C.R. Acad. Sci. Paris **224** 1 1947.

Pateraspis **subgen. n.** see *Pseudosphaerexochus.*

Peltura minor (Brögger) most complete specimen so far collected p. 17 pl. ii fig. 12, WESTERGÅRD **74.**

Periomma Resser 1937 diagnosis revised and following species retained : *P. typicalis* Resser [genotype], *P. cilles* (Walcott), *P. cloudi* Kindle and *P. walcotti* Resser ; *P. alabamensis* Resser excluded but not yet reassigned to a genus p. 67, LOCHMAN **31.**

Periommella Resser 1938 diagnosis revised and following species retained : *P. yorkensis* Resser [genotype] and *P. roddyi* Resser p. 67, LOCHMAN **31.**

Permoproetus Toumansky considered to be a subgenus of *Cyphinium* pp. 7, 21, characters tabulated p. 8, suggested that a wrong restoration by Gemmellaro made *P.* an abnormal Proetid without an occipital ring but with 10 instead of the usual 9 thoracic segments—if the first thoracic axial ring is interpreted as occipital then *P.* resembles *Cyphinium* in its head and *Proetus* in its pygidium pp. 7, 20 text-figs. 1*a*, *b*, WEBER **72.**

Permoproetus Toumansky referred to Proetidae (Phillipsiinae) p. 124, PŘIBYL **45.**

Perrector perrectus Richter reported from Lower Cambrian of Morocco, Spanish Upper Cambrian age doubted p. 352, NELTNER & POCTEY **35.**

Petigurus sp. p. 327 pl. xxiii figs. 2, 3 Ordovician (Lower) Canada (Ellesmere Land), POULSEN Quart. J. Geol. Soc. **102** for 1946, 1947.

Petigurus see *Cheirurus hofmani.*

Phacops fecundus major Barrande recorded from $g_{\gamma b}$ strata, *P. f. degener* Barrande and *P.* (*Reedops* ?) sp. from $g_{\gamma c}$ strata p. 152, *P. f. superstes* Barrande, *P.* sp. from g_{γ} p. 155, PRANTL **39.**

Phacops logani Hall p. 161 text-fig. 31*t*, GOLDRING **16**.

Phacops pulchellus Foerste p. 232 pl. ci figs. 1–5, *P. cristata* Hall ? pl. cxvi figs. 8–10, BUTTS **8, 9**.

Phacops trisulcatus (Hall) pp. 21, 89 Clinton New York, GILLETTE **15**.

Phacops (*Pterygometopus*) *retardatus* Reed text-fig. 2, LAMONT **29**.

Phacops cf. *salteri* Kozlowski p. 394, ROYO Y GOMEZ **52**.

Phacops sp. recorded from Upper Gedinnian p. 93, *P. potieri* Bayle from Upper Emsian pp. 265, 270, 338, ASSELBERGHS **4**.

Phacops **sp. n.** p. 5, SUN **58**.

Phaëton Barrande accepted as synonym of *Prionopeltis* Hawle & Corda 1847 p. 119, PŘIBYL **45**.

Phaëtonellus Novák 1890 raised from subgeneric (of *Proetus*) rank to that of genus p. 120, referred to Proetidae (Prionopeltinae) **subfam. n.** p. 118, lectotype selected *P. planicauda planicauda* Barrande p. 120, *P. p. rhenana* Novák p. 121 pl. ii fig. 11, *P. dentatulus* Novák, *P. zaleskyi* (Öpik) and *P. ? bucculatus* (Öpik) p. 121 ; genus stated to range from Mid-Ordovician to Middle Devonian p. 121, PŘIBYL **45**.

Phaëtonides Angelin 1855, Barrande 1859 considered synonym of *Prionopeltis* Hawle & Corda 1847 p. 119, PŘIBYL **45**.

Phaetonides **sp. n.** pp. 89, 91, SUN & WANG **61**.

Pharostoma costai new generic assignation for *Calymene costai* Delgado p. 224 pl. ii figs. 5–10, THADEU **65**.

Phillipsia ? solikamensis **sp. n.** (aff. *Proetus ? salomonensis* Gemmellaro) pp. 16, 25 pl. ii fig. 20, Gen. et sp. ind. III (cf. *Phill. middlemissi* Diener) pp. 16, 25 pl. ii fig. 21 Permian USSR, WEBER Paleont. USSR Monogr. **71** 2 1944.

Phillipsia meramecensis Shumard p. 350 pl. cxxiv figs. 19, 20, BUTTS **8, 9**.

Phillipsia mucronata McCoy [erroneously] quoted as genotype of *Eocyphinium* Reed p. 123, PŘIBYL **45**.

Phillipsiinae Oehlert 1886 [Proetidae] **emend. nov.** and diagnosis given to include *Phillipsia* Portlock, *Pseudophillipsia* Gemmellaro, *Griffithides* Portlock, *Neogriffithides* Toumansky, *Permoproetus* Toumansky, *Anisopyge* Girty, *Weberites* [error pro *Weberides*] Reed, *Exochops* Weller, *Kaskia* Weller p. 123, PŘIBYL Bull. int. Acad. Sci. Prague **46** for 1945, 1946.

Phyllipsia [error pro *Phillipsia*] *castroi* Barrande and *P. derbyensis* Martin recorded from Spain p. 134, SAMPELAYO & LLOPIS LLADO **53**.

Piaziella **gen. n.** for type *Ptychoparia pia* Walcott 1917 [a species formerly assigned by Resser to *Antagmus*] p. 69 text-figs. 4–6 ; suggested that *Antagmus skapta* (Walcott) may belong to *P.* p. 64, LOCHMAN J. Paleont. **21** 1 1947.

Placoparia zippei tumida Klouček p. 127, BOUČEK **6**.

Placoparina Whittard 1940 referred to synonymy of *Eccoptochile* (*Eccoptochile*) Hawle & Corda p. 25, PRANTL & PŘIBYL **42**.

Plagiura Resser 1935 revised diagnosis, genus considered to include genotype of *Plagiurella* Resser 1937 thus comprises two species *P. cercops* (Walcott) [genotype of *Plagiura*] and *P. cleadas* (Walcott) [genotype of *Plagiurella*] p. 66, LOCHMAN **31**.

Plagiurella Resser 1937 diagnosis revised and genus considered to be synonymous with *Plagiura* Resser 1935, *P. cleadas* (Walcott) thus referred to *Plagiura* p. 66, LOCHMAN **31**.

Plesioparabolina mendozana Rusconi transferred to genus *Amecephalus* [quod vide] p. 232, LEANZA **30**.

Pliomerops canadensis (Billings) p. 146 pl. lxxviii figs. 1, 2, BUTTS **8, 9**.

Pliomerops sp. p. 328 pl. xxiii fig. 4 Ordovician (Lower) Canada (Ellesmere Land), POULSEN Quart. J. Geol. Soc. **102** for 1946, 1947.

Poliella virginica Resser pl. lxv fig. 5, BUTTS **9**.

Prantlia **gen. n.** [Proetidae] for type *Proetus longulus* Hawle & Corda Silurian (Lower Ludlow) Czechoslovakia p. 2 text-fig. 6, PŘIBYL Příroda [Brno] **38** 5–6 1946.

Prantlia diagnosis of genus and discussion p. 107, *P. longula* (Hawle & Corda) p. 109 pl. i fig. 12, *P. scutelliformis* Gaertner p. 109, PŘIBYL **45**.

Prionopeltinae **subfam. n.** [Proetidae] diagnosis given to include *Prionopeltis* Hawle & Corda and *Phaëtonellus* Novák p. 117 range Ordovician (Caradoc) to Devonian (Middle) p. 118, PŘIBYL Bull. int. Acad. Sci. Prague **46** for 1945, 1946.

Prionopeltis Hawle & Corda diagnosis given and genus discussed, *Phaëton* Barrande and *Phaëtonides* Angelin considered to be synonyms p. 118 made type of new subfamily [quod vide] p. 117, *P. archiaci* (Barrande) p. 119 pl. figs. 10, 10a, *P. striatus incisa* Kegel, *P. striatus praecedens* (Bouček), *P. ostaschistus* Kegel p. 119, PŘIBYL **45.**

Prionopeltis striatus (Barrande) hypostome figured text-figs. 12, 13 p. 544, PŘIBYL **48.**

Proagnostus bulbus Butts pl. lxvi fig. 30, BUTTS **9.**

Proasaphiscus suni **sp. n.** Cambrian (Middle) China (Kueichou) p. 192 pl. i figs. 2, 2 *a–d*, LU Bull. Geol. Soc. China Peking **25** for 1945, 1946.

Proaulacopleura Kobayashi 1936 considered to be a representative of Ptychopariidae p. 543, PŘIBYL **48.**

Proceratopyge revised diagnosis p. 9, *Lopnorites* Troedsson 1937 considered to be a synonym but *Housia* Walcott excluded p. 7, *P. similis* **sp. n.** p. 10 pl. ii fig. 1, *P. nathorsti* Westergård p. 10 pl. ii figs. 2–7, *P. tullbergi* Westergård p. 11 pl. ii figs. 8–10 Cambrian (Upper), *P. magnicauda* **sp. n.** p. 9 pl. ii fig. 11 Cambrian (Middle) Sweden, WESTERGÅRD Avh. Sver. geol. Undersökn. (C) **489** Årsb. **41** 8 1947.

Proetidae classed into five subfamilies, Proetinae Hawle & Corda, Tropidocoryphinae, Prionopeltinae, Dechenellinae **subfamm. n.** Phillipsiinae Oehlert [quae vide], PŘIBYL **45.**

Proetidae see *Proetina*, *Prantlia*, *Denemarkia*, *Scharyia* **genn. n.** and *Decoroproetus*, *Eodrevermannia* **subgen. n.**

Proetina **gen. n.** [Proetidae] for type *P. latimargo* **sp. n.** Devonian (Lower) Czechoslovakia p. 1 text-figs. 1–3, PŘIBYL Příroda [Brno] **38** 5–6 1946.

Proetina Přibyl diagnosis given, genus discussed p. 122, *P. latimargo* p. 123 pl. ii figs. 4–4*b*, PŘIBYL **45.**

Proetinae Hawle & Corda emend. diagnosis given and interpreted to include *Proetus* (*Proetus*), *Proetus* (*Cornuproetus*), *Proetus* (*Xiphogonium*), *Proetus* (*Decoroproetus*), *Proetus* (*Warburgaspis*) **subgen. n.**, *Isbergia*, *Perliproetus*, *Chaunoproetus* and doubtfully *Cyrtosymbole* and *Drevermannia* and their subgenera *Cyphoproetus* and *Prantlia* p. 93, PŘIBYL **45.**

Proetus (*Decoroproetus*) **subgen. n.** for type *P. decorus* Barrande Silurian (Upper) Czechoslovakia p. 4, *D. concentruus* **sp. nondescr.** p. 5, PŘIBYL Příroda [Brno] **38** 5–6 1946.

Proetus p. 94, *P.* (*Warburgaspis*) **subgen. n.** for type *W. modestus* (Törnquist) p. 5 Silurian (Lower) Sweden, *P.* (*Proetus*) diagnosis of subgenus p. 94, subgenus taken to be comprised of two Groups: (1) "Group of *P.* (*P.*) *bohemicus* Hawle & Corda" p. 95 pl. i, figs. 1, 1a, including *P.* (*P.*) *tuberculatus* Barr., *P.* (*P.*) *neglectus* Barr., *P.* (*P.*) *glaniferus* Novák, *P.* (*P.*) *hawlei* Nov., *P.* (*P.*) *retroflexus* Barr., *P.* (*P.*) *rarissimus* Barr. and perhaps *P.* (*P.*) *myops* Barr. p. 96; (2) "Group of *P.* (*P.*) *orbitatus* Barrande "including *P.* (*P.*) *koeneni* Maurer, *P.* (*P.*) *crassimargo* Roemer, *P.* (*P.*) *frechi* Novák p. 6; *P.* (*Cornuproetus*) diagnosis of subgenus p. 96, Bohemian species recognised *P.* (*C.*) *buchi* Hawle & Corda, *P.* (*C.*) *dufresnoyi* (Hawle & Corda), *P.* (*C.*) *complanatus* (Barrande) p. 97, *P.* (*C.*) *venustus* (Barrande) p. 97 pl. i figs. 5, 5a, *P.* (*C.*) *curtus* (Barr.), *P.* (*C.*) *intermedius* (Barr.), *P.* (*C.*) *lepidus* (Barr.) p. 97, *P.* (*C.?*) *fallax* (Barr.), *P.* (*C.?*) *serus* (Barr.), *P.* (*C.?*) *sculptus* (Barr.) p. 97 Non-Czech species, *P.* (*C.*) *cornutus* (Goldfuss), *P.* (*C.*) *holzapfeli* (Novák), *P.* (*C.*) *taciturnus* Kegel, *P.* (*C.*) *subfrontalis* (Whidborne), *P.* (*C.?*) *quadratus* (Maurer) = *C. batillus* (Whidborne), *P.* (*C.*) *hassiacus* Kegel, *P.* (*C.*) *bivallatus* (R. Richter) p. 98; *P.* (*Eremiproetus*) diagnosis of subgenus discussed p. 98, Bohemian species recognised *P.* (*E.*) *eremita* (Barr.) p. 98, *P.* (*E.*) *natator* (Barr.) p. 99 pl. i fig. 4, *P.* (*E.*) *insons* (Barr.), *P.* (*E.*) *vicinus* (Barr.) p. 9 Non-Czech species *P.* (*E.*) *crassirhachis* (A. Roemer), *P.* (*E.*) *cacuminatus* Kegel, *P.* (*E.*) *pictus* (Giebel), *P.* (*E.?*) *subplanatus* Mauer, *P.* (*E.?*) *consonus* (Maurer) p. 99; *P.* (*Xiphogonium*) diagnosis of subgenus p. 99, *P.* (*X.*) *lovéni* p. 101 pl. i figs. 6, 6a, *P. sculptus* Barrande excluded p.

101; *P.* (*Decoroproetus*) diagnosis of subgenus discussed p. 101, *P.* (*D.*) *decorus* Barrande p. 101 pl. i fig. 2, *P.* (*D.*) *concentricus* **sp. n.** p. 101 pl. i fig. 3 Devonian (Middle) Czechoslovakia *P.* (*P.*) *mořinensis* **sp. n.** pl. ii fig. 12 figured but not described Silurian (Middle) Czechoslovakia, PŘIBYL Bull. int. Acad. Sci. Prague **46** for 1945, 1946.

Proetus corycoous (Conrad), *P. stokesi* (Murchison ?) Hall p. 21 Upper Clinton New York, GILLETTE **15.**

Proetus reedi **nom. n.** for *P. vicinus* Reed 1940 pl. 8 fig. 1 *non* Barrande 1872 p. 2 text-fig. 1 new figures after Novák MS. given of *P.* (*Eremiproetus*) *vicinus* Barrande text-figs. 2–6, the new species is referred with reserve to R. & E. Richter's subgenus *Eremiproetus* p. 4, PŘIBYL Příroda [Brno] **39** 1 1947.

Proetus cf. *bowningensis* Mitchell recorded from Pentland Hills, Scotland p. 290, LAMONT **28.**

Proetus ? girtyi Toumansky *caucasica* **var. n.** Permian USSR pp. 15, 24 pl. ii figs. 16, 17 [varietal name omitted from explanation of plate], WEBER Paleont. USSR Monogr. **71** 2 1944.

Proetus (*Proetus*) *bohemicus* Hawle & Corda hypostome figured text-fig. 15, *P.* (*Decoroproetus*) *decorus* (Barrande) hypostome figured text-figs. 18, 19 p. **544**; Barrande's 1852 figures of Proetid hypostomes identified as pl. 15 fig. A = *P.* (*D.*) *decorus*, pl. 16 fig. G as *Prionopeltis striatus*, pl. 17 fig. K as *Proetus* (*Proetus*) *bohemicus* p. 544, PŘIBYL **48.**

Proetus loredensis Delgado p. 226 pl. ii figs. 11–13, THADEU **65.**

Proetus protuberans p. 141 text-figs. 26 *n*, *o*, GOLDRING **16.**

Proetus sp. recorded from Upper Gedinnian pp. 93, 337, *P. bohemicus* Corda from Upper Emsian pp. 270, 338, ASSELBERGHS **4.**

Proliostracus Poulsen 1932 diagnosis revised and following species retained: *P. strenuelliformis* Poulsen [genotype], *P. rosenkrantzi* Poulsen, *P. liostracoides* Poulsen and *P. noe-nygaardi* Poulsen p. 68, *P. goodwini* Resser (with its synonym *P. granulatus* Resser) excluded and considered close to *Crassifimbria* **gen. n.** and to *Ptychoparella* p. 68, LOCHMAN **31.**

Proliostracus granulatus Resser p. 55 pl. lxiv fig. 18, *P. goodwini* Resser p. 55 pl. lxiv fig. 19, BUTTS **8, 9.**

Prosaukia eboracensis (Resser) revised generic assignation for *Saukia e.* p. 541 pl. i figs. 17–19, *P. irrasa* (Raymond) for *Stenosaukia* (suppressed as synonym) *irrasa* p. 543 pl. i figs. 20, 21, RASETTI **49.**

Prosaukia tuberculata Ulrich & Resser p. 39 pl. ix fig. 14 from Texas, DECKER **12.**

Protolenus elegans marocana Neltner *P.* cf. *latouchei* Cobbold p. 352 Morocco, NELTNER & POCTEY **35.**

Prozacanthoides virginicus Resser p. 55 pl. lxiv figs. 1, 2, *P. excavatus* Resser p. 55 pl. lxiv figs. 3, 4, *P. expansus* Resser p. 55 pl. lxiv figs. 5, 6, BUTTS **8, 9.**

Pseudocheirurus **subgen. n.** of *Cheirurus* [quod vide].

Pseudophillipsia Gemmellaro characters tabulated p. 8, *P. armenica* **sp. n.** pp. 13, 23 pl. ii fig. 1, *P. elegans caucasica* **var. n.** pp. 12, 22 pl. ii fig. 4, *P. elegans* var. ? p. 13 pl. ii fig. 2, *P. mastafensis* Toumansky ? p. 13 pl. ii fig. 3, *P. ? solida* **sp. n.** pp. 13, 23 pl. ii figs. 8, 9, *P.* (*Anisopyge*) *suchanica* **sp. n.** pp. 14, 23 pl. ii fig. 12, *P.* (*A.*) *? encrinuroides* **sp. n.** pp. 14, 23 pl. ii fig. 11 Permian USSR WEBER Paleont. USSR Monogr. **71** 2 1944.

Pseudophillipsia Gemmellaro referred to Proetidae (Phillipsiinae) p. 124 PŘIBYL **45.**

Pseudoproetus micropygus (Hawle & Corda) formerly referred by Poulsen 1934 as above now referred to *Scharyia* p. 117, PŘIBYL **45.**

Pseudosphaeròchus [error pro *Pseudosphaerexochus*] Schmidt 1882 genolectotype selected as *Sphaeroxochus* [error pro *Sphaerexochus*] *hemicranium* Kutorga p. 29, genus divided into 2 subgenera p. 29, *P.* (*P.*) *pectinifer* Barrande p. 29 pl. iii figs. 3–6; *P.* (*Pateraspis*) **subgen. n.** for type *Cheirurus pater* Barrande Ordovician (Lower) Czechoslovakia p. 30 pl. ii figs. 14–16, pl. iii figs. 11, 12. PRANTL & PŘIBYL **41.**

Pteroparia recorded from Upper Devonian of Western Australia p. 91, TEICHERT **64.**

Pterygometopus cf. *P. annulatus* Raymond p. 158 pl. lxxv fig. 16, *P.* spp. pl. lxxv figs. 20–23, 30, pl. lxxviii fig. 8, *P.* sp. ? pl. lxxxii figs. 9–13, *P.* sp. pl. lxxxv figs. 1–3, BUTTS **8, 9.**

Ptychaspis speciosus Walcott referred to *Keithiella* p. 539, RASETTI **49.**

Ptychoparella Poulsen 1927 revised diagnosis and following species retained : *P. brevicauda* Poulsen [genotype], *P. kindlei* Resser, *P. taylori* Resser (including *P. minor* Resser as probable synonym), *P. walcotti* Resser (including *P. swantonensis* Resser as synonym) p. 65 ; *P. adamsi* (Billings) which includes as synonym *P. billingsi* Resser referred to *Antagmus* p. 65, *P. buttsi* Resser and *P. lancastra* Resser also to *Antagmus* p. 66, *P. prolifica* Resser and *P. vermontensis* Resser now referred with reserve to *P.* p. 66 ; *P. georgiensis* Resser with reserve to *Crassifimbria* **gen. n.** *P. canadiensis* Kobayashi, *P. ? gaspensis* Kindle, *P. michaeli* Resser, *P. teucer* (Billings), P. *vulcana* (Billings) all of uncertain generic allocation. p. 66, LOCHMAN **31.**

Ptychoparella michaeli Resser p. 55 pl. lxv fig. 3, *P. buttsi* Resser p. 66 pl. lxv fig. 4, BUTTS **8, 9.**

Ptychoparia attleborensis Cobbold in Morocco p. 352, NELTNER & POCTEY **35.**

Ptychoparia szechuanensis [Sun MS.] **sp. n.** p. 20 pl. i figs. 1–12, developmental stages described and illustrated from early protaspis through various meraspid stages to adult, Cambrian (Lower) China (Kunming), LU Contr. Geol. Inst. Nat. Univ. Peking **30** 1947 [reprinted from Fortieth Anniversary Papers of Nat. Univ. Peking 1939].

Quadraticephalus yunnanensis **sp. n.** Cambrian (Upper) China (Yunnan) p. 31 pl. i figs. 10, 11, SUN Contrib. Geol. Inst. Nat. Univ. Peking **27** 1947 [Reprinted from Fortieth Anniversary Papers Nat. Univ. Peking 1939].

Raymondina immarginata **sp. n.** Cambrian (Upper) Canada (Quebec) p. 544 pl. i figs. 10–13, RASETTI Amer. J. Sci. Newhaven **244** 6 1946.

Redlichia forresti p. 85, TEICHERT **64.**

Remopleurides sinclairi **nom. nov.** for *R. striatus* Cooper & Kindle 1936 *non* Endo 1932 Ordovician (Upper) Canada (Quebec), COOPER & KINDLE J. Paleont. **21** 1 1947.

Remopleurides sp. p. 146 pl. lxxviii fig. 5, 6, BUTTS **8, 9.**

Resserops resserianus Richter reported from Lower Cambrian of Morocco, Spanish Upper Cambrian age doubted p. 352, NELTNER & POCTEY **35.**

Robergia major Raymond p. 167 pl. lxxxii figs. 4–7, BUTTS **8, 9.**

Sao hispánica R. & E. Richter **sp. nondescr.** p. 31 Cambrian (Middle) Spain (Aragon), MELENDEZ **34.**

Saukia grabaui **sp. n.** p. 30 pl. i figs. 7–9, *S. acamus* (Walcott) p. 30 pl. i figs. 4–6 Cambrian (Upper) China (Yunnan), SUN Contrib. Geol. Inst. Nat. Univ. Peking **27** 1947 [Reprinted from Fortieth Anniversary Papers Nat. Univ. Peking 1939].

Saukia speciosa (Walcott) referred to *Keithiella* p. 539, *S. eboracensis* Resser to *Prosaukia* p. 541, RASETTI **49.**

Saukiinae see *Hamashania* **gen. n.**

Scharyia [Novák MS.] **gen. n.** [Proetidae] for type *Proetus micropygus* Hawle & Corda Silurian (Upper) Czechoslovakia p. 4 text-fig. 9, PŘIBYL Příroda [Brno] **38** 5–6 1946.

Scharyia Přibyl diagnosis given, genus discussed p. 115 assigned to Proetidae (Tropidocoryphinae) p. 116, *S. micropyga* (Hawle & Corda) p. 117 pl. i fig. 11 pl. ii figs. 5–9, PŘIBYL **45.**

Scharyia micropyga ? (Hawle & Corda) hypostome figured text-fig. 17 p. 544, PŘIBYL **48.**

Scutellidae see *Størmeraspis* **gen. n.**

Scutellum discussed p. 1 ; *S.* (*Scutellum*) diagnosis and discussion of subgenus and four groups distinguished within it p. 5.

1. " Group of the Species *S.* (*S.*) *costatum* " Pusch includes *S.* (*S.*) *nováki* **sp. n.** [**nom. n.** for *Bronteus viator* Barrande *partim* 1852 pl. 47 figs. 20–22 *non* figs. 18–19] p. 18 pl. v fig. 1, pl. vii figs. 1, 2 Devonian (Lower) Czechoslovakia, *S.* (*S.*) *gaudryi* (Novák MS.) **sp. n.** p. 20 pl. v figs. 4–14, pl. vii figs. 3, 4 Devonian (Middle) Czechoslovakia, *S.* (*S.*) *acupunctatum* (Barrande) p. 9, *S. augusticeps augusticeps* (Barrande), *S. a. inernis* (Barr.), *S. asperulum* (Barr.), *S. billingsi* (Barr.), *S. binotatum* (Barr.) p. 9, *S. edwardsi* (Barr.) p. 9 pl. ii fig. 3, *S. expectans* (Barr.), *S. formosum* (Barr.), *S. gervilleicans* (Barr.), *S. haidingeri* (Barr.), *S. hawlei* (Barr.), *S. indocilis* (Barr.), *S. infaustum* (Barr.), *S. ivanensis* (Barr.),

S. lepidum Bouček, *S. magnum* (Barr.), *S. nuntius* (Barr.), *S. oblongum* (Hawle & Corda), *S. paliferum* (Beyrich) p. 9 pl. i figs. 1, 2, *S. partschi* (Barr.) p. 9, *S. porosum* (Barr.) p. 9 pl. ii fig. 4, *S. pustulosum* (Barr.) p. 9, *S. rhinoceros* (Barr.) p. 9 pl. iii figs. 1–3, *S. sieberi* (Barr.), *S. simulans* (Barr.), *S. sosia* (Barr.) p. 9, *S. spiniferum* (Barr.) p. 9 pl. ii fig. 5, *S. schöbli* (Novák), *S. transversum* (Barr.) ranging from Wenlock to Middle Devonian.

2. "Group of the Species *S.* (*S.*) *planum* (Hawle & Corda) p. 9 pl. ii fig. 6; group appears in Wenlock of Czechoslovakia [*S.* (*S.*) *andersoni* (Nicholson & Etheridge) of Scotland belongs to this group] p. 107.

3. "Group of the Species *S.* (*S.*) *umbelliferum*" (Beyrich) p. 10 pl. ii fig. 1 pl. vi figs. 1, 2 includes also *S.* (*S.*) *richteri* (Barrande) group appears in Upper Ludlow and ranges into Lower Devonian.

4. "Group of the Species *S.* (*S.*) *furciferum*" (Barrande) p. 11 pl. iii figs. 4, 5, *S. caelebs* (Barr.), *S. elongatum* (Barr.) p. 11 exclusively known from Lower and Middle Devonian of Czechoslovakia.

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12. ARACHNIDA

to which are added

MEROSTOMATA, PANTOPODA, TARDIGRADA, PENTASTOMIDA, MYRIOPODA and ONYCHOPHORA

compiled by

E. BROWNING

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†*Spongiophonus* **gen. nov.** [Mesophonidae] defined p. 2; genotype *S. pustulosus* **sp. nov.** British Trias, Broomsgrove, Worcestershire and Southalls' Boring, Birmingham p. 2 and 133 figs., WILLS Palaeontogr. Soc. (Monog.) London **100** 1946.

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Retiro nigronotatus **sp. nov.** ♀ Curitiba, Brazil p. 235 figs., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947

Titanoeca silvicola **sp. nov.** ♂ + ♀ City Creek Canyon, Utah p. 15 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

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Achaea nordica **sp. nov.** ♂ imm. College, Alaska p. 25, CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Allodipoena **gen. nov.** defined p. 184; genotype *A. dianae* **sp. nov.** ♂ + ♀ Luquillo Mountains, Puerto Rico p. 184 figs., BRYANT, Psyche Boston **54** 1947.

Argyrodies ammonia **sp. nov.** ♂ near Khamissa, Egypt p. 40 figs., DENIS Bull. Soc. Fouad 1er Entom. **31** 1947.

Ariamnes feioi **sp. nov.** ♀ Carmo do Rio Claro, Minas Gerais, Brazil p. 10 fig., MELLO-LEITÃO Bol. Mus. Nac. Rio Janeiro Zool. no. 80 1947.

Ctenium arcticum **sp. nov.** ♂ Fairbanks, Alaska p. 25 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Latrodectus key to S. African spp. p. 407; *L. geometricus* notes p. 407 fig., DE MEILLON & GEAR **144**.

Nesticus vejdovskyi **sp. nov.** ♂ ♀ in grotto, Southern Montenegro p. 280 figs., KRATOCHVIL Vest. ceskosl. zool. Spolnec. Praze **6–7** 1939; *N. carteri* breeding habits p. 215, IVES **280**.

Theridion insulicola **sp. nov.** ♀ Mona Id., West Indies p. 88 fig., BRYANT Psyche Cambridge, Mass. **54** 1947; *T. frigicola* **sp. nov.** ♂ Circle Hot Springs, Alaska p. 27 figs.; *T. saanichum* **sp. nov.** ♀ Saanich Inlet, British Columbia p. 28 fig., CHAMBLERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947; *T. melanosternon* **sp. nov.** ♀ Barigui, Brazil p. 237 figs., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

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Blechroscelis rubristernus **sp. nov.** ♂ British Guiana p. 22, CAPORIACCO Monit. zool. ital. Firenze **56** 1947; *B. cambridgei* **sp. nov.** ♂ + ♀ Santarem Pará, Brazil p. 160 figs.; *B. irroratus* **sp. nov.** ♂ + ♀ Breves, Pará, Brazil p. 160 figs.; *B. virescens* **sp. nov.** ♂ Higher Potaro River District, British Guiana p. 161 fig., MELLO-LEITÃO An. Acad. Brasil. Cienc. Rio **19** 1947.

Coryssocnemis paraensis **sp. nov.** ♀ Breves, Pará, Brazil p. 161 fig., MELLO-LEITÃO An. Acad. Brasil. Cienc. Rio **19** 1947.

Hypsorinus conwayi **sp. nov.** ♂ + ♀ Hampina, British Guiana p. 162 figs., MELLO-LEITÃO An. Acad. Brasil. Cienc. Rio **19** 1947.

Litoporus abrahami **sp. nov.** ♂ Katuabatu, British Guiana p. 164 fig., MELLO-LEITÃO An. Acad. Brasil. Cienc. Rio **19** 1947.

Modisimops exlineae **sp. nov.** ♀ Pebas, Peru p. 159 fig., MELLO-LEITÃO An. Acad. Brasil. Cienc. Rio **19** 1947.

Psilochorus cambridgei **sp. nov.** ♂ + ♀ Breves, Pará, Brazil p. 163; *P. dasyops* **sp. nov.** ♂ Yungas, Bolivia p. 163 fig., MELLO-LEITÃO An. Acad. Brasil. Cienc. Rio **19** 1947.

Spermophora unicolor ♂ palp figured p. 3 fig., MELLO-LEITÃO **365**.

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Bathyphantes josephus **sp. nov.** ♂ + ♀ Matanuska, Alaska p. 53 figs.; *B. kuratai* **sp. nov.** ♂ + ♀ Matanuska, Alaska p. 54 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. 10 1947.

Blaniargus (?) *pervicax* **sp. nov.** ♀ forest of La Tranche, Vendée, France p. 153 figs., DENIS Rev. franç. Entom. Paris **14** 1947.

Centromerus nováki **sp. nov.** ♂ Choli, Moldaugebiete, Bohemia p. 60 figs.; *C. setosus* **sp. nov.** ♀ Zilina, Slovakia p. 64 figs.; *C. sellarius* redescribed p. 66 fig., MILLER & KRATOCHVIL Vest. ceskosl. zool. Spolnec. Praze **8** 1940; *C. satyrus* ♂ + ♀ new to Britain, redescribed p. 112 figs.; *C. serratus* ♂ + ♀ new to Britain, redescribed p. 111 figs., MILLIDGE & LOCKET **372**; *C. serratus* new to Carpathian Mts. p. 66 figs.; *C. vindobonensis* new to Carpathian Mts. p. 66 fig., BALOGH & LOKSA **28**.

Cephalethus birostrum **sp. nov.** ♂ + ♀ Matanuska, Alaska p. 30 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Ceratinella alaskae **sp. nov.** ♂ Haines, Alaska p. 31 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Chenisco video **sp. nov.** ♂ + ♀ Matanuska Valley, Alaska p. 32 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Cornicularia monoceras **sp. nov.** ♂ + ♀ near Monroe, Oregon p. 33 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Coryphaeolana holmgreni new to Switzerland p. 2, SCHENKEL **458**.

Diplocentria bidentata notes p. 80 fig., DENIS **155**.

Dismodicus alticeps **sp. nov.** ♂ College, Alaska p. 34 figs.; *D. modicus* **sp. nov.** ♀ imm. Haines, Alaska p. 35 fig., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947; *D. elevatus* ♀ new to Britain. redescribed p. 113 fig.; *D. bifrons* p. 114 fig., MILLIDGE & LOCKET **372**.

Donacochara speciosa new to Switzerland p. 2, SCHENKEL **458**.

Entelecara key to spp. p. 215; *E. aestiva* redescribed p. 212 figs.; *E. flavipes* note p. 214 fig., DENIS **152**.

"*Erigone*" *allani* **sp. nov.** ♀ Matanuska, Alaska p. 36 fig.; *E. arcticola* **sp. nov.** ♀ near Haycock, Quartz Creek, Alaska p. 37 fig.; "*E.*" *bodenburgi* **sp. nov.** ♀ Matanuska, Alaska p. 38 fig.; "*E.*" *chilkatensis* **sp. nov.** ♀ Haines, Alaska p. 38 fig.; "*E.*" *latigyna* **sp. nov.** ♀ Matanuska, Alaska p. 39 fig.; "*E.*" *matanuskae* **sp. nov.** ♀ Matanuska River, Hicks Creek, Alaska p. 40 fig.; "*E.*" *mentasta* **sp. nov.** ♀ Fairbanks, Alaska p. 40 fig.; "*E.*" *tanana* **sp. nov.** ♀ Fairbanks, Alaska p. 42 fig., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Gonatium büttneri **sp. nov.** ♀ Grosses Kranichseemoor, Erzebirges, Bohemia p. 4 fig., SCHENKEL Rev. suisse Zool. Geneve **54** 1947.

Gongylidium septentrionale record p. 43 fig., CHAMBERLIN & IVIE **108**.

Helophora ontariensis records p. 56 fig., CHAMBERLIN & IVIE **108**.

Hypomma norlandica **sp. nov.** ♀ near Haycock, Quartz Creek, Alaska p. 44 fig.; *H. subarctica* **sp. nov.** ♂ Circle Hot Springs; ♀ Circle City, Alaska p. 44 figs. CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Hypselistes reducens record p. 45 fig., CHAMBERLIN & IVIE **108**.

Lasiargus hirsutus gynandromorphism p. 41 figs., DENIS **148**; *L. hirsutus* redescribed p. 151 figs., DENIS **159**.

Lephthyphantes triramus **sp. nov.** ♀ Beluga Flats, Cook Inlet, Alaska p. 57 fig., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947; *L. montanus* note p. 68 fig.; *L. nanus* note p. 68 fig., BALOGH & LOKSA **28**; *L. kotulai* ♂ described p. 3 fig., SCHENKEL **458**.

Lessertinella **gen. nov.** for *Gongylidiellum kulczynskii* Lessert p. 55 figs., DENIS Rev. suisse Zool. Genéve **54** 1947.

Meioneta ordinaria **sp. nov.** ♀ Haines, Alaska p. 59 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Microneta spinigera note p. 65 figs., BALOGH & LOKSA **28**.

Minicia candida ♂ described p. 143 figs.; *M. marginella* note p. 144 figs., DENIS Bull. Soc. zool. Fr. **72** 1947.

Mioxena blanda notes p. 82 figs., DENIS **155**.

Mythoplastoides sombrus **sp. nov.** ♂ + ♀ College, Alaska p. 46 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Œdothorax key to ♂♂ p. 137; *Œ.* key to ♀♀ p. 150; *Œ. agrestis*, *Œ. apicatus*, *Œ. fuscus*, *Œ. gibbifer*, *Œ. gibbosus*, *Œ. retusus*, *Œ. tuberosus* characters and notes p. 131 figs., DENIS **154**.

Plaesiocraerus dimidiatus **sp. nov.** ♀ Coustouges, Eastern Pyrenees, France, p. 206 figs.; *P. picinus humiliceps* **subsp. nov.** ♂ . ♀ Douchy, Nord, France p. 208 figs.; *P. graecus* notes p. 205 figs., DENIS Bull. Soc. Hist. nat. Toulouse **80** 1945.

Porrhothrix trifrons note p. 206 fig., DENIS **152**; *P.* Denis 1945 synonymous with *Minyrioloides* Schenkel 1930 p. 103, DENIS **153**.

Saloca diceros new to Carpathian Mts. p. 61 fig.; *S. kulczynskii* note p. 61 fig., BALOGH & LOKSA **28**.

Sciastes beluga **sp. nov.** ♂ + ♀ Beluga Flats, Cook Inlet, Alaska p. 47 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Sintula affinis note p. 64 fig., BALOGH & LOKSA **28**.

Sisicus longitarsi **sp. nov.** ♂ + ♀ Matanuska, Alaska p. 49 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Tachygyna alaskensis **sp. nov.** ♀ Haines, Alaska p. 49 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Tapinocyba (*Phlattothrata*) *matanuskae* **sp. nov.** ♂ + ♀ Matanuska, Alaska p. 50 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Tibioplus **gen. nov.** defined p. 51; genotype *T. nearcticus* **sp. nov.** ♂ + ♀ Matanuska, Alaska p. 51 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Trichoncus vejdovskyi **sp. nov.** ♂ Brunn, Austria p. 318 figs. MILLER Vest. ceskosl. zool. Spolnec. Praze **6–7** 1939.

Trichopterna cito note p. 150 fig., DENIS **159**.

Troglohyphantes cavernarum new to Carpathian Mts. p. 67 fig., BALOGH & LOKSA **28**; *T.* sp. (*confusus* n. sp. ?) ♂ in grotto, Dravska banovina, Yugoslavia p. 287 figs.; *T.* list of spp. described since 1927 p. 284, KRATOCHVIL Vest. ceskosl. zool. Spolnec. Praze **6–7** 1939.

Troxochrus nasutus new to Switzerland p. 2, SCHENKEL **458**.

Yukon **gen. nov.** defined p. 52; genotype *Y. majesticum* **sp. nov.** ♂ + ♀ Matanuska Valley, Alaska p. 52 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

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Miagrammopis lacteovittatus **sp. nov.** ♂ . ♀ Carmo do Rio Claro, Minas Gerais, Brazil p. 3 figs., MELLO-LEITÃO Bol. Mus. Nac. Rio Janeiro Zool no. 80 1947; *M. romitii* **sp. nov.** ♀ British Guiana p. 21, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Uloborus lactescens **sp. nov.** ♂ . ♀ Carmo do Rio Claro, Minas Gerais, Brazil p. 4 figs. ; *U. plumipes* **sp. nov.** ♂ . ♀ Carmo do Rio Claro, Minas Gerais, Brazil p. 6 figs. ; *U. ursinus* **sp. nov.** ♀ Carmo do Rio Claro, Minas Gerais, Brazil p. 7 fig., MELLO-LEITÃO Bol. Mus. Nac. Rio Janeiro Zool. no. 80 1947 ; *U. walckenaeri* new to Holland p. 163. HAMMEN **253.**

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Agriognatha lactescens **sp. nov.** ♀ Carmo do Rio Claro, Minas Gerais, Brazil p. 11 fig., MELLO-LEITÃO Bol. Mus. Nac. Rio Janeiro Zool. no. 80 1947.

Alcimosphenus rubripleurus **sp. nov.** ♀ Rio d'Areia, Brazil p. 239 figs., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

Aranea displicata new to fauna of Holland p. 511 figs., JONG **290** ; *A. suspicax* notes p. 49 figs., DENIS **151.**

Argiope bruennichi distribution in France p. 142, BERLAND **47** ; *A. clarki* notes p. 43 fig., DENIS **151.**

Argyrodina monoceros **sp. nov.** ♂ British Guiana p. 24, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Brachygea **gen. nov.** [Argiopinae] defined p. 24 ; genotype *B. platycephala* **sp. nov.** ♂ ♀ British Guiana p. 24. CAPORIACCO Monit. zool. ital. Firenza **56** 1947.

Cyclosa convexisterna **sp. nov.** ♀ British Guiana p. 25 ; *C. rubronigra* **sp. nov.** ♂ British Guiana p. 24, CAPORIACCO Monit. zool. ital. Firenze **56** 1947 ; *C. insulana*, camouflage devices p. 598, MARSON **352.**

Diotherisoma **gen. nov.** [Theridiosomatinae] defined p. 25 ; genotype *D. strandi* **sp. nov.** ♀ British Guiana p. 25. CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Edricus ensifer **sp. nov.** ♂ British Guiana p. 25, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Eriophora aeronavis **sp. nov.** ♀ Vila Velha, Ponta Grossa, Brazil p. 241 fig., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

Eugnatha striata redescribed p. 149 figs. ; *E.* key to Swedish spp. p. 129, TULLGREN **539.**

Eustala mourei **sp. nov.** ♂ ♀ Barigui, Curitiba p. 242 figs. ; *E. perfida* **sp. nov.** ♀ Volta Grande, Serra do Mar, Graciosa, Brazil p. 243 fig. ; *E.* key to ♀ ♀ p. 244, MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

Glenognatha chamberlini **sp. nov.** ♂ British Guiana p. 23, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Hypognatha cryptocephala **sp. nov.** ♀ Vila Velha, Brazil p. 246 fig. MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba.

Larinia albosigillata **sp. nov.** ♀ Paranai, Brazil p. 247 fig., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947 ; *L. nigrovittata* **sp. nov.** ♂ Carmo do Rio Claro, Minas Gerais, Brazil p. 12 figs., MELLO-LEITÃO Bol. Mus. Nac. Rio Janeiro Zool. no. 80 1947 ; *L. ovata* **sp. nov.** ♂ + ♀ Siwa, Egypt p. 47 figs. ; *L. chloreis* notes p. 46 fig., DENIS Bull. Soc. Fouad 1er Entom. **31** 1947.

Mangora octolineata **sp. nov.** ♂ British Guiana p. 25, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Mastophora haywardi **sp. nov.** ♀ Tucuman, Argentina p. 327 figs., BIRABÉN Acta zool. Lillo. Tucuman **3** 1947.

Meta bourneti new record, Paris p. 52, DRESCO **165** ; *M. bourneti*, another record for England p. 92, SHAW **478.**

Metazygia similis **sp. nov.** ♀ British Guiana p. 25, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Metepeira arabesca **sp. nov.** ♀ Barigui, Curitiba, Brazil p. 248 figs., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

Micrathena alpha **sp. nov.** ♂ British Guiana p. 26 ; *M. beata* **sp. nov.** ♂ British Guiana p. 26 ; *M. gamma* **sp. nov.** ♂ British Guiana p. 26 ; *M. multituberculata* **sp. nov.** ♀ British Guiana p. 25 ; *M. timida* **sp. nov.** ♀ British Guiana p. 26, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Nephila key to spp. of Belgian Congo p. 186 ; *N.* list of spp. with locality records p. 187, SCHOUTEDEN, **461.**

Pachygnatha sewardi **sp. nov.** ♂ + ♀ Beluga Flats, Alaska p. 64 figs., CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Paraverrucosa eupalaestrus **comb. nov.** pro *Edricus eupalaestrus* Mello-Leitão (1943) p. 13, MELLO-LEITÃO **365**.

Pronous nigripes **sp. nov.** ♂ British Guiana p. 25, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Pseudometa flavicans **sp. nov.** ♀ British Guiana p. 24, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Scoloderus normalis **comb. nov.** pro *Carepalxis normalis* Keyserling (1892) p. 14, MELLO-LEITÃO **365**.

Singa melania **sp. nov.** imm. Matanuska, Alaska p. 64, CHAMBERLIN & IVIE Bull. Univ. Utah Biol. Ser. **10** 1947.

Tetragnatha parva **sp. nov.** ♂ Luquillo Mountains, Puerto Rico p. 186 figs., BRYANT Psyche, Boston **54** 1947; *T. beccarii* **sp. nov.** ♀ British Guiana p. 24; *T. bishopi* **sp. nov.** ♀ British Guiana p. 24; *T. petrunkevitchi* **sp. nov.** ♂ British Guiana p. 24; *T. tullgreni* **sp. nov.** ♀ British Guiana p. 24, CAPORIACCO Monit. zool. ital. Firenze **56** 1947; *T.* revision of Swedish spp. p. 129; *T. derarmata* redescribed p 139 figs.; *T. extensa* redescribed p. 130 figs.; *T. extensa* f. *brachygnatha* redescribed p. 137 figs.; *T. nigrita* redescribed p. 147 figs.; *T. obtusa* redescribed p. 139 figs.; *T. pinicola* redescribed p. 130 figs.; *T. solandri* redescribed p. 144 figs., TULLGREN **539**.

Verrucosa longicauda **sp. nov.** ♀ Barigui, Curitiba, Brazil p. 251, MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

Wagneriana tuberculicauda **sp. nov.** ♀ British Guiana p. 25, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Wixia serrallesi **sp. nov.** ♂ + ♀ Mona Id., West Indies p. 90 figs. BRYANT Psyche, Cambridge, Mass. **54** 1947.

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Gelanor key to spp. p. 222; *G. gertschi* **sp. nov.** ♀ Canal Zone, Panama p. 288 fig.; *G. mabelae* **sp. nov.** ♂ + ♀ Canal Zone, Panama p. 231 figs.; *G. distinctus* redescribed p. 224 figs., CHICKERING Trans. Amer. Micr. Soc. Menasha **66** 1947.

Mimetus key to spp. p. 235; *M. banksi* **sp. nov.** ♂ + ♀ Canal Zone, Panama p. 235 figs.; *M. rusticus* **sp. nov.** ♂ + ♀ Canal Zone, Panama p. 240 figs.; *M. verecundus* **sp. nov.** ♂ + ♀ Boquete, R. P., Panama p. 244 figs., CHICKERING Trans. Amer. micr. Soc. Menasha **66** 1947; *M.* genotype *syllepsicus* Hentz (1832) p. 48 BRYANT **77**.

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Acanthoctenus rubrotaeniatus **sp. nov.** ♀ Barigui, Curitiba, Brazil p. 268 fig., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

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Caloctenus distinctus **sp. nov.** ♀ British Guiana p. 28 CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Celaetycheus delesserti **sp. nov.** ♀ British Guiana p. 28, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Ctenus fulvipes **sp. nov.** ♂ British Guiana p. 27; *C. scenicus* **sp. nov.** ♂ British Guiana p. 28, CAPORIACCO Monit. zool. ital. Firenze **56** 1947; *C. herteli* **sp. nov.** ♀ Volta Grande, Serra do Mar, Graciosa, Brazil p. 269 fig.; *C. mourei* **sp. nov.** ♂ Avencal, Sta Catarina, Brazil p. 270 fig.; *C. pauper* **sp. nov.** ♀ Barigui, Curitiba, Brazil p. 271 figs., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

Gephyroctenus kolosvaryi **sp. nov.** ♀ British Guiana p. 28; *G. parvus* **sp. nov.** ♀ British Guiana p. 28, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Odo gigliolii **sp. nov.** ♀ British Guiana p. 28, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

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Berlandina jovia **sp. nov.** ♀ Siwa, Egypt p. 63 fig., DENIS Bull. Soc. Fouad 1er Entom. **31** 1947.

Castaneira antinorii notes p. 66 figs., DENIS **151**.

Chiracanthium jovium **sp. nov.** ♀ Siwa, Egypt p. 65 fig.; *Z. tenue* **sp. nov.** Siwa, Egypt p. 66 figs.; *C.* sp. notes p. 64 fig., DENIS Bull. Soc. Fouad 1er Entom. **31** 1947.

Parabonna goffergéi **sp. nov.** ♂ Marumbi, Paraná, Brazil p. 134 fig., MELLO-LEITÃO Pap. Avulsos Dept. Zool., S. Paulo **8** 1947.

Poecilochroa lesserti **sp. nov.** ♂ + ♀ Siwa, Egypt p. 62 figs., DENIS Bull. Soc. Fouad 1er Entom. **31** 1947.

Pterotricha isiaca notes p. 63 fig.' DENIS **151**.

Scotocesonia **gen. nov.** [Drassodinae] defined p. 26 ; genotype *S. demerarae* **sp. nov.** ♀ British Guiana p. 26, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Zelotes (?) *intricatus* **sp. nov.** ♀ Khamissa, Egypt p. 61 fig. ; *Z. razoumowskyi* notes p. 60 fig., DENIS Bull. Soc. Fouad 1er Entom. **31** 1947 ; *Z. paranaensis* **sp. nov.** ♀ Curitiba, Brazil p. 279 fig. ; *Z. unanimus* **sp. nov.** ♀ Barigui, Curitiba, Brazil p. 280 fig., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947 ; *Z. subterraneus* note p. 149 fig., DENIS **159**.

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Megapyge **gen. nov.** defined p. 29 ; genotype *M. rufa* **sp. nov.** ♀ British Guiana p. 29, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

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Cerbalus concolor **sp. nov.** ♂ Siwa, Egypt p. 52 figs., DENIS Bull. Soc. Fouad 1er Entom. **31** 1947.

Eusparassus dufouri oraniensis notes p. 49 fig. ; *E. walckenaeri* notes p. 50 figs., DENIS **151**.

Olios concolor **sp. nov.** ♀ British Guiana p. 28 ; *O. discolorichelis* **sp. nov.** ♀ British Guiana p. 28 ; *O. pictus* **sp. nov.** British Guiana p. 29 ; *O. sexpunctatus* **sp. nov.** British Guiana p. 28, CAPORIACCO Monit. zool. ital. Firenze **56** 1947 ; *O. impediens* **sp. nov.** ♂ + ♀ Siwa, Egypt p. 52 fig., DENIS Bull. Soc. Fouad. 1er Entom. **31** 1947.

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Acentroscelus muricatus **sp. nov.** ♀ Carmo do Rio Claro, Minas Gerais, Brazil p. 14 figs., MELLO-LEITÃO Bol. Mus. Nac. Rio Janeiro Zool. no. 80 1947.

Acracanthostoma nigritarsis **sp. nov.** ♂ British Guiana p. 29, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Cleocnemis spinosus **sp. nov.** ♂ Marumbi, Brazil p. 273 fig., MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

Epicadinus marmoratus **sp. nov.** ♂ Barigui, Curitiba, Brazil p. 274, MELLO-LEITÃO Arq. Mus. Paranaense, Curitiba **6** 1947.

Fageia concolor **sp. nov.** ♀ Carmo do Rio Claro, Minas Gerais, Brazil p. 15, MELLO-LEITÃO Bol. Mus. Nac. Rio Janeiro Zool. no. 80 1947.

Metadiaea mello-leitão **sp. nov.** ♀ British Guiana p. 29, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Misumena terrosa **sp. nov.** ♀ Curitiba, Paraná, Brazil p. 75 fig., SOARES Bol. Industr. animal, S. Paulo **7** 1944.

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Mago pallidus **sp. nov.** ♂ Carmo do Rio Claro, Minas Gerais, Brazil p. 24 figs., MELLO-LEITÃO Bol. Mus. Nac. Rio Janeiro Zool. no. 80 1947.

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† Characters of the Orders with key to families p. 46, PETRUNKEVITCH **411.**

† ANTHRACOMARTIDAE fam. emended p. 49 fig., PETRUNKEVITCH **411.**

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† *Architarbus* redefined p. 19; *A. minor* notes p. 21 fig.; *A. rotundatus* notes p. 20 fig., PETRUNKEVITCH **411.**

†*Discotarbus* redefined p. 23; *D. deplanatus* notes p. 23 fig., PETRUNKEVITCH **411.**

† *Geratarbus* redefined p. 42; genotype *G. lacoei* Scudder p. 43, PETRUNKEVITCH **411.**

†*Leptotarbus* **gen. nov.** [Architarbidae] defined p. 23; genotype *Geraphrynus torpedo* Pocock p. 23, PETRUNKEVITCH Illinois State Mus. Sci. Pap. Springfield **3** 1945.

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Dinocheirus emend. p. 513 ; *D. æqualis* ♀ redescribed p. 520 figs. ; *D. dorsalis* ♀ redescribed p. 523 fig. ; *D. obesus* ♂ + ♀ redescribed p. 517 fig. ; *D. partitus* ♂ + ♀ redescribed p. 514 figs. ; *D. tristis* ♂ + ♀ redescribed p. 532 figs. ; *D. tumidus* ♂ + ♀ redescribed p. 529 figs. ; *D. validus* ♂ + ♀ redescribed p. 526 figs., HOFF **267.**

Diplotemnus namaquensis **sp. nov.** ♂ Loliefontain, Namaqualand p. 325 figs., BEIER Eos Madrid **23** 1947.

Ectatolpium **gen. nov.** [Olpiidae] defined p. 295; genotype *E. simile* **sp. nov.** ♂ + ♀ Lekkersing, Namaqualand p. 299 fig.; *E.* key to spp. p. 296; *E. astatum* **sp. nov.** ♂ + ♀ Steinkopf, Namaqualand p. 297 fig.; *E. brevifemoratum* **sp. nov.** Koeboes, Namaqualand p. 302 fig.; *E. garypoides* **sp. nov.** Osoni, Okahandja, South Africa p. 298; *E. namaquense* **sp. nov.** Kamieskroon, Namaqualand p. 301 fig., BEIER Eos Madrid **26** 1947.

† *Electrochelifer bachofeni* **sp. nov.** ♂ in Baltic Amber p. 194 figs.; *E. rapulitarsatus* **sp. nov.** ♂ in Baltic Amber p. 196 figs., BEIER Mikroscopie, Wien **1** 1947.

Feaella parva **sp. nov.** ♂ Viodsdrift, Orange River, Namaqualand p. 321 figs., BEIER Eos Madrid **23** 1947.

Garypus longidigitus **sp. nov.** ♀ Weier, Murray Ids., Torres Strait, Queensland p. 41 figs., HOFF Psyche Cambridge, Mass. **54** 1947.

Geogarypus (*Geogarypus*) *flavus* **sp. nov.** Keurboomis River, Knysna, South Africa p. 318 fig.; *G.* (*G.*) *robustus* **sp. nov.** Fernwood, Cape Peninsula p. 319 figs., BEIER Eos Madrid **23** 1947; *G. incertus* **sp. nov.** British Guiana p. 21, CAPORIACCO Monit. zool. ital. Firenze **56** 1947.

Goniochernes lislei **sp. nov.** Cameroons p. 31, VACHON Bull. sci. Bourgogne, Dijon **9** 1941.

Gymnobisium redefined p. 289; *G. octoflagellatum* **sp. nov.** Viljoens Pass, Cape Province p. 291 fig.; *G. quadrispinosum* redescribed p. 290 figs., BEIER Eos Madrid **23** 1947.

Hansenius torulosus major **subp. nov.** ♂ + ♀ Doorn River, Montagu, Cape Province p. 336 fig., BEIER Eos Madrid **23** 1947.

Hesperochernes pallidus ♀ redescribed p. 509 fig.; *H. pallipes* ♀ redescribed p. 506 fig.; *H. unicolor* ♀ redescribed p. 511 fig., HOFF **267**.

Horus asper **sp. nov.** ♂ + ♀ Kleinzee, Namaqualand p. 309 figs.; *H. granulatus* redescribed p. 307 figs., BEIER Eos Madrid **23** 1947; *H. difficilis* **sp. nov.** Ivory Coast p. 31; *H.* key to spp. p. 31, VACHON Bull. sci. Bourgogne, Dijon **9** 1941.

Ideobisium lepesmei **sp. nov.** Ivory Coast p. 32; *I.* key to spp. p. 32, VACHON Bull. sci. Bourgogne, Dijon **9** 1941.

Lamprochernes grossus ♀ redescribed p. 475 fig., HOFF **267**.

Lustrochernes concinnus **sp. nov.** ♀ Rancho Grande, Venezuela p. 61 figs., HOFF, Zoologica, New York **32** 1947.

Mesochelifer **gen. nov.** [Cheliferidae] defined p. 159; genotype *M. fradei* **sp. nov.** ♂. ♀ Ferreira do Alentejo, Portugal p. 155 figs., VACHON An. Fac. Ciênc. Porto **25** 1940.

Mexachernes **gen. nov.** [Chernetidae] defined p. 495; genotype *Neochernes calidus* (Banks, 1909) ♀ redescribed p. 496 figs., HOFF Bull. Mus. Comp. Zoöl. Harvard **98** 1947.

Mundochthonius alpinus **sp. nov.** ♀ Preg, Kraubath, Steiermark, Germany p. 296 fig., BEIER Ann. Naturh. Mus. Wien **55** 1947.

Nanolpium **gen nov.** [Olpiidae] defined p. 293; genotype *Olpium pusillum* Ellingsen also added to gen. *Olpium nitens* Tullgren p. 293; *N. falsum* **sp. nov.** ♂ Fish Hoek, Cape Peninsula p. 294 fig., BEIER Eos Madrid **23** 1947.

Neoallochernes **gen. nov.** [Chernetidae] defined p. 499; genotype *Dinocheirus gracianus* (Banks, 1909) ♀ redescribed p. 500 figs., HOFF Bull. Mus. Comp. Zoöl. Harvard **98** 1947.

Neobisium (*Blothrus*) *tuzeti* **sp. nov.** ♂ cave of Signal de la Montete Quissac, Gard, France p. 320 figs., VACHON Bull. Mus. Hist. nat. Paris (2) **19** 1947; *N.* (*Neobisium*) *sylvaticum inaculeatum* **subsp. nov.** ♂ tritonymph Montenegro p. 188 figs.; *N.* (*N.*) *muscorum muscorum* redescribed, p. 193 figs.; *N.* (*N.*) *muscorum carpaticum* redescribed p. 196 figs.; *N.* (*N.*) *polonicum* redescribed p. 202 fig.; HADŽI Vest. ceskosl. zool. Spolnec. Praze **6–7** 1939; *N.* key to spp. p. 182; *N.* revision of *praecipuum* and allied spp. p. 165 figs.; *N.* (*N.*) *carsicum* p. 166 fig.; *N.* (*N.*) *gentile*, *N.* (*N.*) *gentile gentile* p. 168 figs.; *N.* (*N.*) *gentile giganteum* p. 169 fig.; *N.* (*N.*) *gentile novum* p. 170 fig.; *N.* (*N.*) *gentile flavum* p. 170 fig.; *N.* (*N.*) *gentile alternum* p. 171; *N.* (*N.*) *gracilipalpe* p. 171 figs.; *N.* (*N.*) *speluncarium* p. 172 fig.; *N.* (*N.*) *lombardicum*

p. 173 fig.; *N.* (*N.*) *caecum* p. 173 fig.; *N.* (*N.*) *staudacheri* p. 174 fig.; *N.* (*N.*) *macrodactylum* p. 175 fig.; *N.* (*N.*) *montenegrense* p. 175; *N.* (*N.*) *corcyraeum* p. 175 fig.; *N.* (*N.*) *carnicum* p. 177 fig.; *N.* (*N.*) *distinctum* p. 177 fig.; *N.* (*N.*) *elegans* p. 178 fig.; *N.* (*N.*) *polonicum* p. 178 fig.; *N.* (*N.*) *praecipuum* p. 179; *N.* (*N.*) *trentinum* p. 179 fig.; *N.* (*N.*) *biharicum* p. 180 fig.; *N.* (*N.*) *blothroides* p. 181 fig., Beier **41**.

Neowithius cubanus ♀ redescribed p. 545 fig., Hoff **267**.

Olpium zealandiensis **sp. nov.** ♀ Tera Kihi Id., Hauraki Gulf, New Zealand p. 36 figs., Hoff Psyche, Cambridge, Mass. **54** 1947.

Oratemnus whartoni **sp. nov.** ♂ + deutonymph Ylig Bay, Guam p. 308 figs., Chamberlin Occas. Pap. Bishop Mus. Honolulu **18** 1947.

Parachernes (*Argentochernes*) *confraternus* ♂ redescribed p. 489 fig.; *P.* (*A.*) *diversus* ♂ redescribed p. 483 fig.; *P.* (*A.*) *pulchellus* ♀ redescribed p. 492 fig.; *P.* (*A.*) *tumimanus* ♀ redescribed p. 494 figs.; *P.* (*A.*) *virginica* ♀ redescribed p. 486 fig.; *P.* (*Parachernes*) *latimanus* ♂ redescribed p. 482 fig.; *P.* (*P.*) *latus* ♂. ♀ redescribed p. 478, Hoff **267**.

Paratemnus guianensis **sp. nov.** British Guiana p. 21 Caporiacco Monit. zool. ital. Firenze **56** 1947.

Pselaphochernes caffer **sp. nov.** ♀ Pendeberg, Namaqualand p. 326 figs.; *P. natalensis* **sp. nov.** ♀ Estcourt, Natal p. 328 fig., Beier Eos Madrid **23** 1947; *P. scorpioides* new to Finland p. 87, Kaisila **291**.

Pseudatemnus **gen. nov.** [Cheliferidae] defined p. 330; genotype *P. lawrencei* **sp. nov.** ♀ River Jonder End, Cape, South Africa p. 331 fig., Beier Eos Madrid **23** 1947.

Pseudochthonius billae **sp. nov.** Ivory Coast p. 33; *P.* key to spp. p. 32, Vachon Bull. sci. Bourgogne, Dijon **9** 1941.

† *Pseudogarypus minor* **sp. nov.** in Baltic Amber p. 193 figs., Beier Mikroscopie, Wien **1** 1947.

Pseudohorus **gen. nov.** [Olpiidae] defined p. 304; genotype *P. vermiformis* **sp. nov.** Viodsdrift, Orange River, Namaqualand p. 305 figs.; *P. molliventer* **sp. nov.** ♂ + ♀ Otavifontain, South Africa p. 306 fig., Beier Eos Madrid **23** 1947.

Pseudozaona emend. p. 539; *P. uniformis* ♂ + ♀ redescribed p. 540 figs., Hoff **267**.

Rhacochelifer similis redescribed p. 127, Beier **40**.

Roncus (*Roncus*) *transsilvanicus* redescribed p. 206 fig., Hadži **250**.

Synsphyronus gen. emend. p. 44; *S.* (*Maorigarypus*) *magnus* **sp. nov.** ♀ Margaret River, Western Australia, p. 47 figs.; *S.* (*M.*) *niger* **sp. nov.** ♂ Adelaide, South Australia p. 45 figs.; *S.* (*Synsphyronus*) *callus* **sp. nov.** ♀ Rottnest Id., Western Australia p. 50 figs., Hoff Psyche Cambridge, Mass. **54** 1947.

Thaumastogarypus **gen. nov.** [Garypidae] defined p. 312; genotype *T. grandis* **sp. nov.** ♂ + ♀ Steinkopf, Namaqualand p. 315 fig.; *T.* key to spp. p. 314; *T. longimanus* **sp. nov.** ♀ Doorn River, Montagu, S. Africa p. 316 fig.; *T. robustus* **sp. nov.** ♀ Kleinzee, Namaqualand p. 314 fig., Beier Eos Madrid **23** 1947.

Toxochernes nigrimanus redescribed p. 300 fig., Beier **39**; *T. nigrimanus* distribution in Scandinavia p. 86 fig., Kaisila **291**.

Tyrannochthonius chamorro **sp. nov.** ♀ Oca Point, Guam p. 305 figs., Chamberlin Occas. Pap. Bishop Mus. Honolulu **18** 1947; *T. gezei* **sp. nov.** Cameroons p. 33; *T. monodi* **sp. nov.** Cameroons p. 34; T. key to spp. p. 33, Vachon Bull. sci. Bourgogne, Dijon **9** 1941.

Vachonium **gen. nov.** [Vachoniidae] defined p. 4; genotype *V. boneti* **sp. nov.** ♀ Cueva de Sabaca, Yucatan, Mexico p. 6 figs.; *V. maya* **sp. nov.** ♀ Cueva de Balaam Canche, Yucatan, Mexico p. 8 figs., Chamberlin Bull. Univ. Utah Biol. Ser. **10** 1947.

Verrucachernes **gen. nov.** [Chernetidae] defined p. 312; genotype *V. oca* **sp. nov.** ♀ + tritonymph Oca Point, Guam p. 312 figs., Chamberlin Occas. Pap. Bishop Mus. Honolulu **18** 1947.

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Xenolpium granulosum **sp. nov.** ♀ Mullewa, Western Australia p. 39 figs., HOFF Psyche Cambridge, Mass. **54** 1947.

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† Opiliones sp. in Upper Cretaceous, Lebanon p. 64 figs., ROGER **444**.

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Holosiro synonym of *Siro* p. 362, NEWELL **391**.

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Siro acaroides ♂ described, ♀ redescribed p. 354 figs., NEWELL **391**.

PHALANGODIDAE

Cerroa floresia **sp. nov.** Cerro Flores, Panama p. 1 figs., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1340 1947.

Conomma minima ♂ redescribed p. 45 fig., LAWRENCE **322**.

Flaccus **gen. nov.** [Stygnommatinae] defined p. 9; genotype *F. annulipes* **sp. nov.** ♂ Tierra Blanca, Vera Cruz, Mexico p. 10 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947.

Heteroibalonius **gen. nov.** [Ibaloniinae] defined p. 330; genotype *H. malkini* **sp. nov.** ♂ Hollandia, Netherlands, New Guinea p. 330 fig., GOODNIGHT & GOODNIGHT Trans. Amer. micr. Soc. Menasha **66** 1947.

Junicus **gen. nov.** [Triacommatinae] defined p. 12; genotype *J. gerhardi* **sp. nov.** ♂ + ♀ Lake Junin, Peru p. 12 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947.

Kalina tuberculata **sp. nov.** Tucker Valley, Southwest Trinidad p. 1 fig., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1351 1947.

Metagjellerujia **gen. nov.** [Phalangodinae] defined p. 328; genotype *M. jewetti* **sp. nov.** ♀ Mt. Dafansero, Cyclops Mts., Netherlands, New Guinea p. 328 figs., GOODNIGHT & GOODNIGHT Trans. Amer. micr. Soc. Menasha **66** 1947.

Metibalonius strucki **sp. nov.** Oro Bay, Papua, New Guinea p. 332 figs., GOODNIGHT & GOODNIGHT Trans. Amer. micr. Soc. Menasha **66** 1947.

Mosoia saylori **sp. nov.** Hollandia, Netherlands New Guinea p. 337 figs., GOODNIGHT & GOODNIGHT Trans. Amer. micr. Soc. Menasha **66** 1947.

Orobunus **gen. nov.** [Ibaloniinae] defined p. 333; genotype *O. quadrispinosus* **sp. nov.** ♂ Hollandia, Netherlands New Guinea p. 335 figs., GOODNIGHT & GOODNIGHT Trans. Amer. micr. Soc. Menasha **66** 1947.

Paramitraceras chichivaca **sp. nov.** ♀ Chichivac, Tecpan, Guatemala p. 5 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947; *P. fuscomaculatus* **sp. nov.** ♀ Banhado (Piraquara), Paraná, Brazil p. 228 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Pellobunus granulosa **sp. nov.** ♀ Silkgrass, British Honduras p. 3 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947; *P. longipalpus* **sp. nov.** St. Augustine, Trinidad p. 2 fig.; *P. trispinatus* **sp. nov.** ♂ + ♀ Tucker Valley, Southwest Trinidad p. 2 fig., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1351 1947; *P. insularis* redescribed p. 2 figs., GOODNIGHT & GOODNIGHT **221**.

Potosa **gen. nov.** [Phalangodinae] defined p. 7; genotype *P. dybasi* **sp. nov.** ♂ Huchihuayan, San Luis Potosi, Mexico p. 7 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947.

Soerensenolynthus **nom. nov.** pro *Olynthus* Soerensen (1932) preocc. p. 230, SOARES & SOARES **501**.

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Trinella **gen. nov.** [Tricommatinae] defined p. 3; genotype *T. intermedia* **sp. nov.** St. Augustine, Trinidad p. 3 fig., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1351 1947.

Vima albiornata **sp. nov.** Diego Martin, Trinidad p. 4 fig., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1351 1947.

ASSAMIIDAE

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Aburistella **gen. nov.** [Aburistitae] defined p. 40; genotype *A. flava* **sp. nov.** ♂ + ♀ Le Banco, Ivory Coast p. 40 figs., LAWRENCE Rev. franç. Entom. Paris **14** 1947.

Bancoella **gen. nov.** [Aburistitae] defined p. 34; genotype *B. bimaculata* **sp. nov.** ♂ + ♀ Le Banco, Ivory Coast p. 35 figs., LAWRENCE Rev. franç. Entom. Paris **14** 1947.

Banconyx **gen. nov.** [Aburistitae] defined p. 38; genotype *B. dentichelis* **sp. nov.** ♀ Le Banco, Ivory Coast p. 38 figs., LAWRENCE Rev. franç. Entom. Paris **14** 1947.

Pungoica decorata **sp. nov.** ♀ Le Banco, Ivory Coast p. 43 figs., LAWRENCE Rev. franç. Entom. Paris **14** 1947.

Typhlobunellus platypalpis **sp. nov.** ♀ Le Banco, Ivory Coast p. 36 figs., LAWRENCE Rev. franç. Entom. Paris **14** 1947.

Typhloburista **gen. nov.** [Aburistitae] defined p. 41; genotype *T. pusilla* **sp. nov.** ♀ Koua Bocca, Ivory Coast p. 41 figs., LAWRENCE Rev. franç. Entom. Paris **14** 1947.

COSMETIDAE

Acromares roeweri **sp. nov.** ♂ Tekom, Yucatan, Mexico p. 14 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947.

Bokwina **gen. nov.** [Cosmetinae] near *Poala* defined p. 16; genotype *B. sandersoni* **sp. nov.** ♂ Bokowina, British Honduras p. 17 fig., GOODNIGHT & GOODNIGHT Fieldiana Zool. Chicago **32** 1947.

Boneta pulchra **sp. nov.** ♀ Yzabal, Guatemala p. 9 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Cosmetiplus **gen. nov.** [Cosmetinae] defined p. 31; genotype *Cosmetus coxaepunctatus* Roewer (1927) p. 32, ROEWER Senckenbergiana, Frankfurt **28** 1947.

Cosmetus biacutus **sp. nov.** ♀ Sao Miguel, Pernambuco p. 31 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Cynorta albanalis **sp. nov.** ♂. ♀ Santarem, Amazons p. 19 fig.; *C. albicruciata* **sp. nov.** ♂. ♀ Paramaribo, Surinam p. 21 fig.; *C. albicurvata* **sp. nov.** ♂. ♀ Santarem, Amazons p. 22 fig.; *C. albipicta* **sp. nov.** ♂. ♀ Santarem, Amazons p. 18 fig.; *C. annulata* **sp. nov.** ♂ San José, Costa Rica. ♀ Darien, Panama p. 19 fig.; *C. bifurcata* **sp. nov.** ♂ Darien, Panama p. 19 fig.; *C. cancellata* **sp. nov.** ♂. ♀ Iquitos, Peru p. 20 fig.; *C. catenulata* **sp. nov.** ♀ Merida, Venezuela p. 20 fig.; *C. clunipecten* **sp. nov.** ♂. ♀ Pena near Carmen, Columbia p. 23 fig.; *C. conspicua* **sp. nov.** ♂ Paramaribo, Surinam p. 20 fig.; *C. coxaepunctata* **sp. nov.** ♂. ♀ Santarem, Amazons p. 19 fig.; *C. estebana* **sp. nov.** ♀ St. Esteban, Venezuela p. 18 fig.; *C. geniculata* **sp. nov.** ♀ Maracay, Venezuela p. 21 fig.; *C. interjecta* **sp. nov.** ♂ Hamburg Farm, Costa Rica p. 20 fig.; *C. leucopyga* **sp. nov.** ♂ Waldeck Farm, Costa Rica p. 18 fig.; *C. magnifica* **sp. nov.** ♂. ♀ Paramaribo, Surinam p. 18 fig.; *C. propria* **sp. nov.** ♂. ♀ Manaos, Amazons p. 21 fig.; *C. punctitergum* **sp. nov.** ♂. ♀ San José, Costa Rica p. 19 fig.; *C. ramulata* **sp. nov.** ♀ Santarem, Amazons p. 21 fig.; *C. sinuosa* **sp. nov.** ♂ Nova Teutonia, South Brazil p. 22 fig.; *C. surinamia* **sp. nov.** ♂. ♀ Paramaribo, Surinam p. 22 fig.; *C. unicruciata* **sp. nov.** ♀ Paramaribo, Surinam p. 23 fig.; *C. variegata* **sp. nov.** ♀ Santarem, Amazons p. 21 fig.; *C. zonata* **sp. nov.** ♂ Manaos, Amazons p. 22 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947; *C. bromeliacia* **sp. nov.** ♂ San Pedro Sula, Honduras p. 21 fig.; *C. cruzensis* **sp. nov.** ♂ El Fortin, Vera Cruz, Mexico p. 23 fig.; *C. hondurensis* **sp. nov.** ♂ Lake Ticamaya, San Pedro, Honduras p. 18 fig.; *C. intrica* **sp. nov.** ♂ San José del Avila, Caracas, Venezuela p. 20 fig.; *C. skwarrae* ♂ described p. 25 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947; *C. coronata* **sp. nov.** ♂ British Guiana p. 20, CAPORIACCO Monit. zool. ital. Firenze **56** 1947; *C. flavornata* redescribed p. 3 fig., GOODNIGHT & GOODNIGHT **221**; *C. worontzowi* Piza (1938) = *C. vestita* Roewer (1912) p. 11, SOARES **493.**

Cynortellana affinis **sp. nov.** British Guiana p. 20, CAPORIACCO Monit. zool. ital. Firenze **56** 1947; *C. oculata* redescribed p. 5 fig., GOODNIGHT & GOODNIGHT **221**.

Cynortesta **gen. nov.** [Cosmetinae] defined p. 24; genotype *C. granulata* **sp. nov.** ♂. ♀ St. Vincent, Antilles p. 24 fig.; *C. laevis* **sp. nov.** ♂. ♀ Windward Is. p. 24 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Cynortetta **gen. nov.** [Cosmetinae] defined p. 8; genotype *C. rugosa* **sp. nov.** ♀ Merida, Venezuela p. 8 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Cynortoides lateralis **sp. nov.** ♂ Jamaica p. 24 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Cynortoperna **gen. nov.** [Cosmetinae] defined p. 16; genotype *C. albornata* **sp. nov.** ♂ Tilaren, Costa Rica p. 16 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Cynortopyga **gen. nov.** [Cosmetinae] defined p. 13; genotype *C. H-album* **sp. nov.** ♂. ♀ Manaos, Amazons p. 13 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Cynortosoma **gen. nov.** [Cosmetinae] defined p. 26; genotype *C. reticulatum* **sp. nov.** ♂ Tolima, Columbia p. 26 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Cynortula brevipes **sp. nov.** ♂. ♀ San José, Costa Rica p. 14 fig.; *C. guttistriata* **sp. nov.** ♀ Bolivia p. 14 fig.; *C. patellaris* **sp. nov.** ♂. ♀ Matto Grosso, Brazil p. 13 fig.; *C. pectinipes* **sp. nov.** ♂ Loja, Ecuador p. 15 fig.; *C. punctata* **sp. nov.** ♂. ♀ Quezaltenango, Guatemala p. 14 fig.; *C. reticulata* **sp. nov.** ♂. ♀ Maracay, Venezuela p. 15 fig.; *C. robusta* **sp. nov.** ♂. ♀ Irazu, Costa Rica p. 15 fig.; *C. torquata* **sp. nov.** ♂ Irazu, Costa Rica p. 15 fig.; *C. undulata* **sp. nov.** ♂. ♀ Trinidad p. 14 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947; *C. juruensis* redescribed p. 528 fig., SOARES **492**; *C. granulata* ♂ described p. 5 fig., GOODNIGHT & GOODNIGHT **222**; *C. pedalis* redescribed p. 4 fig., GOODNIGHT & GOODNIGHT **221**.

Denticynorta **gen. nov.** [Cosmetinae] defined p. 9; genotype *Metacynorta dentica* Walker (1928) p. 10, ROEWER Senckenbergiana, Frankfurt **28** 1947.

Erginiperna **gen. nov.** [Cosmetinae] defined p. 25; genotype *E. mexicana* **sp. nov.** ♂ Tampico, Mexico p. 25 fig.; *E. manifesta* **sp. nov.** ♀ Vera Cruz, Mexico p. 25 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Erginulus biserratus **sp. nov.** ♂ Quezaltenango, Guatemala p. 17 fig., ROEWER Senckenbergiana Frankfurt **28** 1947; *E. brevispinosus* **sp. nov.** ♂ + ♀ Hacienda Santa Ana, San Pedro Sula, Honduras p. 27 fig.; *E. serratofemoralis* **sp. nov.** ♂ + ♀ Silkgrass, British Honduras p. 29 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947.

Eucynorta areolata **sp. nov.** ♂. ♀ Quezaltenango, Guatemala p. 16 fig.; *E. altra* **sp. nov.** ♀ San José, Costa Rica p. 17 fig.; *E. lutea* **sp. nov.** ♀ Quezaltenango, Guatemala p. 16 fig.; *E. picta* **sp. nov.** ♂ Irazu, Costa Rica p. 17 fig.; *E. puncticulata* **sp. nov.** ♂ Rio Parismino, Costa Rica p. 17 fig.; *E. tenuipes* **sp. nov.** ♂ San José Costa Rica p. 17 fig.; *E. unicolor* **sp. nov.** ♂ Quezaltenango, Guatemala p. 16 fig.; *E. banksi* **nom. nov.** pro *Cynorta conspersa* Banks (1914), nec C. L. Koch (1839) p. 16; *E. reducta* **nom. nov.** pro *Cynorta longispina* Banks (1909), nec Cambridge (1904), nec *Eucynorta longispina* Roewer (1912) & (1923) p. 16, ROEWER Senckenbergiana, Frankfurt **28** 1947; *E. schmidti* **sp. nov.** ♂ Escobas, Isabal, Guatemala p. 31 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947; *E. insularis* redescribed p. 5 fig., GOODNIGHT & GOODNIGHT **221**.

Eucynortella orbicularis **sp. nov.** ♂ Pena by Carmen, Columbia p. 11 fig.; *E. pumila* **sp. nov.** ♀ Matto Grosso, Brazil p. 12 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Eucynortoides antillarum **sp. nov.** ♂. ♀ St. Vincent, Antilles p. 23 fig. ROEWER Senckenbergiana, Frankfurt **28** 1947; *E. nigrispinulata* **sp. nov.** ♂ + ♀ San José del Avila, Caracas, Venezuela p. 32 fig., GOODNIGHT & GOODNIGHT Fieldiana Zool. Chicago **32** 1947; *E. parvulus* redescribed p. 6 figs., GOODNIGHT & GOODNIGHT **221**.

Eucynortula auropicta **sp. nov.** ♀ Tilaren, Costa Rica p. 12 fig.; *E. pentapunctata* **sp. nov.** ♂ Manaos, Amazons p. 12 fig.; *E. puncticulosa*

sp. nov. ♀ Maracay, Venezuela p. 13 fig.; *E. rugipes* **sp. nov.** ♂ San José, Costa Rica p. 12 fig.; *E. centralis* p. 12 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947; *E. multilineata* **sp. nov.** ♀ Silkgrass, British Honduras p. 34 fig., GOODNIGHT & GOODNIGHT Fieldiana Zool. Chicago **32** 1947.

Euerginus figuratus **sp. nov.** ♂ Coronado, Costa Rica p. 13 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Eugnidia **gen. nov.** [Cosmetinae] defined p. 11; genotype *E. clavifemur* **sp. nov.** ♂ Irazu, Costa Rica p. 11 fig. ROEWER Senckenbergiana, Frankfurt **28** 1947.

Eupaecilaema panamaensis **sp. nov.** ♂ + ♀ Cerro Azul, Panama p. 7 fig., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1340 1947; *E. perducens* **sp. nov.** ♀ Santarem, Amazons p. 28 fig.; *E. quadriovale* **sp. nov.** ♂ Manos, Amazons p. 28 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Ferkeria **gen. nov.** [Cosmetinae] defined p. 7; genotype *F. vestita* **sp. nov.** ♂. ♀ Unduavi, Bolivia p. 7 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Flirtea femoralis **sp. nov.** ♂ Caracas, Venezuela p. 23 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947; *F. lateralis* redescribed p. 7 figs., GOODNIGHT & GOODNIGHT **221**.

Fortalezius **gen nov.** [Discosomaticinae] defined p. 32; genotype *F. excellens* **sp. nov.** ♂ Fortaleza, Brazil p. 32 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Gryne amazonica **sp. nov.** ♂. ♀ Manaos, Amazons p. 33 fig.; *G. andina* **sp. nov.** ♀ Maracay, Venezuela p. 33 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947

Heterovonones insularis **sp. nov.** ♀ Cuba p. 9 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Libitiella **gen. nov.** [Cosmetinae] defined p. 8; genotype *Libitia bipunctata* Soerensen (1932) p. 8 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Libitiosoma **gen. nov.** [Cosmetinae] defined p. 8; genotype *L. granulatum* **sp. nov.** ♀ Trinidad p. 8 fig.; *L. bolivianum* **sp. nov.** ♀ Quiacco, Bolivia p. 8 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Metacynorta bimaculata **sp. nov.** ♀ Pebas, Peru p. 9 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Metagryne elegans **sp. nov.** ♂ Paramaribo, Surinam p. 32 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Metavonones bisignatus **sp. nov.** ♂ Irazu, Costa Rica p. 11 fig.; *M. glaber* **sp. nov.** ♀ San José, Costa Rica p. 10 fig., ROEWER Senkenbergiana Frankfurt **28** 1947.

Meterginoides inermis redescribed p. 8 figs., GOODNIGHT & GOODNIGHT **221**.

Meterginulus laevifemur **sp. nov.** ♂ Paramaribo, Surinam p. 28 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Meterginus inermipes **sp. nov.** ♂ Tilaren, Costa Rica p. 31 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Neocynortoides obscura redescribed p. 36; *N. obscura dorsalis* ♂ + ♀ redescribed p. 38 figs.; *N. obscura obscura* ♂ + ♀ redescribed p. 37 figs.; *N. obscura* and *N. dorsalis* united and ranked as subsp. p. 35, GOODNIGHT & GOODNIGHT **224**.

Paecilaema adspersum **sp. nov.** ♂ Trinidad p. 29 fig.; *P. circumscriptum* **sp. nov.** ♂. ♀ Bartica, Guiana p. 30 fig.; *P. graphicum* **sp. nov.** ♀ Rio Negro, Brazil p. 31 fig; *P. henrikseni* **sp. nov.** ♂ Merida, Venezuela p. 30 fig.; *P. lobipictum* **sp. nov.** ♂ Manos, Amazons p. 30 fig.; *P. maculifrons* **sp. nov.** ♀ Paramaribo, Surinam p. 28 fig.; *P. medianum* **sp. nov.** Merida, Venezuela p. 29 fig.; *P. paucipustulatum* **sp. nov.** ♂ Trinidad p. 29 fig.; *P. rectipes* **sp. nov.** ♂. ♀ Paramaribo, Surinam p. 30 fig.; *P. sinuatum* **sp. nov.** ♀ Maracay, Venezuela p. 30 fig.; *P. triseriatum* **sp. nov.** ♀ Tocantin-Camela, Brazil p. 29 fig., ROEWER Senckenbergiana Frankfurt **28** 1947; *P. inglei* **sp. nov.** ♂ + ♀ Tucker Valley, Southwest Trinidad p. 6 fig., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1351 1947.

Paecilaemella albantica **sp. nov.** ♀ Naranjito, Ecuador p. 27 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947; *P. eutypa* redescribed p. 9 fig., GOODNIGHT & GOODNIGHT **221**.

Paecilaemula peruviana **sp. nov.** ♀ Pebas, Peru p. 27 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Paralibitia santaremis **sp. nov.** ♀ Santarem, Amazons p. 8 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Paraprotus albithorax **sp. nov.** ♀ Tal des Zamora, Ecuador p. 33 fig; *P. quadripunctatus* **sp. nov.** ♂ . ♀ Manaos, Amazons, p. 32 fig., ROEWER Senckenbergiana Frankfurt **22** 1947.

Pebasia **gen.nov.** [Cosmetinae] defined p. 25; genotype *P. singularis* **sp. nov.** ♀ Pebas, Peru p. 25 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Pelechucia **gen. nov.** [Cosmetinae] defined p. 7; genotype *P. flava* **sp. nov.** ♂ Pelechuca, Bolivia p. 7 fig., ROEWER Senckenbergiana, Frankfurt **28** 1947.

Platycynorta secunda **sp. nov.** ♂ Cuba p. 8 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Proerginus andinus **sp. nov.** ♂ San Mateo, Peru p. 26 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Reimoserius **gen. nov.** [Cosmetinae] defined p. 27; genotype *R. albipictus* **sp. nov.** ♂ Vulkan Poas, Costa Rica p. 27 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Rhaucoides marmoratus **sp. nov.** ♂ . ♀ Alausi, Ecuador p. 10 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Soaresella **gen. nov.** defined p. 10; genotype *S. gracilis* **sp. nov.** Summit, Canal Zone, Panama p. 10 fig., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1340 1947.

Stenopharellus **nom. nov.** pro *Stenophareus* Roewer (1943) preocc. p. 34, ROEWER Senckenbergiana Frankfurt **28** 1947.

Syncynorta **gen. nov.** [Cosmetinae] defined p. 11; genotype *S. longipes* **sp. nov.** ♀ La Paz, Bolivia p. 11 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Tajumulcia **gen. nov.** [Cosmetinae] near *Libitiodes* defined p. 36; genotype *T. plana* **sp. nov.** ♂ Tajumulco, Guatemala p. 36 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947.

Vononana emend., nov. diagn. p. 9; *V. conspersa* **sp. nov.** ♂ Tehuacan, Mexico p. 9 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Vonones granulatus **sp. nov.** ♂ . ♀ Antigua p. 10 fig.; *V. testaceus* **sp. nov.** ♂ . ♀ Trinidad p. 10 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Vononesta **gen. nov.** [Cosmetinae] defined p. 10; genotype *V. biangulata* **sp. nov.** ♀ Quiezeltenango, Guatemala p. 10 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Vononula **gen. nov.** [Cosmetinae] defined p. 9; genotype *V. singularis* **sp. nov.** ♂ Quezaltenango, Guatemala p. 9 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

Zaraxes **gen. nov.** [Cosmetinae] defined p. 32; genotype *Zarax devians* Soerensen (1932) p. 32, ROEWER Senckenbergiana Frankfurt **28** 1947.

Zaraxolia olivacea **sp. nov.** ♂ Caracas, Venezuela p. 27 fig., ROEWER Senckenbergiana Frankfurt **28** 1947.

GONYLEPTIDAE

Acutisoma banhadoae **sp. nov.** ♂ Banhado, Paraná, Brazil p. 67 figs.; *A. marumbicola* allotype ♀ described p. 68 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947; *A. banhadoae* ♀ described p. 214 fig., SOARES & SOARES **501**.

Alfranius Mello-Leitão (1934) = *Bourguyia* Mello-Leitão (1923) p. 10; *A. tuberiproctus* Piza (1938) = *A. amarali* Mello-Leitão (1934) = *Bourguyia albiornate* Mello-Leitão (1923) p. 10, SOARES **493**.

Ancistrotellus bellus **sp. nov.** ♂ Ubatuba, São Paulo, Brazil p. 90 figs., SOARES Bol. Industr. animal, S. Paulo **7** 1944; *A. insperatus* **sp. nov.** ♂ Banhado, Paraná, Brazil p. 77 fig.; *A. nigroides* **sp. nov.** ♀ Banhado, Paraná, Brazil p. 78 fig.; *A. viridigranulatus* allotype ♀ describ. p. 79 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Anoploleptes Piza (1940) = *Gonyleptes* Kirby p. 53; *A. dubium* Piza (1940) = *Gonyleptes antiquus* Mello-Leitão (1934) p. 53, SOARES **494**.

Araucanoleptes **gen. nov.** [Gonyleptinae] defined p. 4; genotype *A. exceptionalis* **sp. nov.** ♂ ♀ Barra de Rio Bueno, Chili p. 5 fig., MELLO-LEITÃO Comun. zool. Mus. Hist. Nat. Montevideo **12** 1946.

Barrona modification of generic description p. 11; *B. williamsi* record p. 11 figs., GOODNIGHT & GOODNIGHT **221**.

Batomites nitidus Mello-Leitão (1940) = *B. intermedius* Mello-Leitão (1935) = *B. spitzi* Mello-Leitão (1931) = *Promitobates ornatus* Mello-Leitão (1922) p. 56, SOARES **494**.

Bourguyia curvipes Mello–Leitão (1923) = B. *albiornata* Mello-Leitão (1923) p. 10, SOARES **493**.

Cadeadoius pungens allotype ♂ described p. 70 fig., SOARES & SOARES **498**.

Camarana flavipalpi **sp. nov.** ♂ ♀ Ubatuba, São Paulo, Brazil p. 93 figs., SOARES Bol. Industr. animal S. Paulo **7** 1944.

Coelopygulus Roewer (1931) = *Metarthrodes* Roewer (1923) p. 11; SOARES **493**.

Cranellus montgomeryi **sp. nov.** ♀ El Tucuche, Trinidad p. 6 figs., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1351 1947.

Daguerreia inermis **sp. nov.** ♀ Gruta de Campinhos (Bocaiuva), Paraná, Brazil p. 217 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Diconospelta vazferreirae **sp. nov.** ♀ Barra del Rio Bueno, Chili p. 4, MELLO-LEITÃO Comun. zool. Mus. Hist. Nat. Montevideo **12** 1946.

Discocyrtoides catarinae **sp. nov.** ♂ Hamonia, Santa Catarina, Brazil p. 529 fig., SOARES Arq. Zool. S. Paulo **4** 1946; *D. paranensis* **sp. nov.** ♂ Banhado, Paraná, Brazil p. 251 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Discocyrtus antiquus **sp. nov.** ♂ + ♀ Franca, São Paulo, Brazil p. 532 fig.; *D. fortis* ♂ redescribed p. 531 fig., SOARES Arq. Zool. S. Paulo **4** 1946; *D. brevifemur* **sp. nov.** ♂ + ♀ Banhado (Piraquara), Paraná, Brazil p. 218 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947; *D. spinifemur* allotype ♀ described Curitiba, Paraná, Brazil p. 143 fig., SOARES & SOARES **500**; *D. transversalis* Piza (1940) = *Gonyleptes longicornis* Mello-Leitão (1922) p. 53, SOARES **494**.

Eduardoius Mello-Leitão (1932) = *Ilhaia* Roewer (1913) p. 56, SOARES **494**.

Exochobunus longipes **sp. nov.** ♂ . ♀ Ubatuba, São Paulo, Brazil p. 85 figs., SOARES Bol. Industr. animal, S. Paulo n.s. **7** 1944.

Geraecormobius marumbiensis allotype ♂ described p. 72 fig., SOARES & SOARES **498**.

Gonyleptes ubatubae **sp. nov.** ♂ ♀ Ubatuba, São Paulo, Brazil p. 88 figs., SOARES Bol. Industr. animal, S. Paulo n.s. **7** 1944; *G. granulatus* allotype ♀ described p. 530 fig., SOARES **492**; *G. perlatus* Piza (1938) = *G. fragilis* Mello-Leitão (1923) p. 55, SOARES **494**.

Guaraniticus flavimaculatus **sp. nov.** ♂ Banhado, Paraná, Brazil p. 79 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Gyndoides springmanni **sp. nov.** ♂ Florianopolis, Santa Catarina, Brazil p. 255 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Hernandariodes plana note p. 15 figs., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1340 1947.

Hernandria spinosa redescribed p. 13 figs., GOODNIGHT & GOODNIGHT **221**.

Hypophyllonomus maculipalpi allotype ♀ described p. 530 fig., SOARES **492**.

Ilhaia sulina **sp. nov.** ♂ + ♀ Florestal (Piraquara), Paraná, Brazil p. 215 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947; *I. fluminensis* Mello-Leitão (1922) = *I. cuspidata* Roewer (1913) p. 56, SOARES **494**.

Isopucrolia Mello-Leitão (1928) = *Bourguyia* Mello-Leitão (1923) p. 10; *I. conspersa* Mello-Leitão (1937) = *Bourguyia albiornata* Mello-Leitão (1923) p. 10, SOARES **493**.

Jacarepaguana pectinifemur ♀ allotype described p. 12 fig., SOARES **496**.

Krusa **gen. nov.** [Gagrellinae] defined p. 55; genotype *K. mexicana* **sp. nov.** ♂ Vera Cruz, Mexico p. 55 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947.

Langesia unica allotype ♂ described p. 73 fig., SOARES & SOARES **498**.

Leiobunum veracruzensis **sp. nov.** ♀ El Fortin, Vera Cruz, Mexico p. 43 fig.; *L. potosum* ♂ described p. 43, GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947.

Melloleitaniana pectinifemur **sp. nov.** ♂ + ♀ Florianopolis, Santa Catarina, Brazil p. 253 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Metagraphinotus trochanterspinosus **sp. nov.** ♂ Banhado, Paraná, Brazil p. 256 figs., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Metalycomedes secundus **sp. nov.** ♀ Banhado (Piraquara), Paraná, Brazil p. 220 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Metarthrodes pardalis Piza (1943) = *Coelopygulus leucopheus* Mello-Leitão (1922) = *Metarthrodes leucopheus* Mello-Leitão (1922) p. 11, SOARES **493**.

Mitopernoides **gen. nov.** [Mitobatinae] defined p. 91; genotype *M. variabilis* **sp. nov.** ♀ Ubatuba, São Paulo, Brazil p. 92 fig., SOARES Bol. Industr. animal, S. Paulo **7** 1944.

Neopachylus imaguirei **sp. nov.** ♂ Banhado, Paraná, Brazil p. 80 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947; *N. serrinha* **sp. nov.** ♂ Serrinha (Lapa) Paraná, Brazil p. 222 figs.; *N. imaguirei* ♀ allotype describ. p. 221 fig.; N. key to spp. p. 224, SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Nygoleptes Mello-Leitão (1931) = *Acanthogonyleptes* Mello-Leitão (1922) p. 54; *N. ornatus* Mello-Leitão (1931) = *Acanthogonyleptes pulcher* Mello-Leitão (1922) p. 54, SOARES **494**.

Osasco Piza (1938) = *Bourguyia* Mello-Leitão (1923) p. 10, SOARES **493**.

Panalus **gen. nov.** [Craninae] near *Nedellinia* defined p. 38; genotype *P. robustus* **sp. nov.** ♀ Cali, Dept. of Cauca, Colombia p. 38 fig., GOODNIGHT & GOODNIGHT Fieldiana, Zool. Chicago **32** 1947.

Paragonyleptes curvispina allotype ♀ described, Curitiba, Paraná, Brazil p. 140 fig., SOARES & SOARES **500**; *P. antiquus* ♀ allotype described p. 11 fig., SOARES **496**.

Parahernandria **gen. nov.** defined p. 14; genotype *Hernandria ventralis* Banks (1914) redescribed p. 14 figs., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1340 1947.

Paranaleptes **gen. nov.** [Pachylinae] defined p. 225; genotype *P. xanthoacanthus* **sp. nov.** ♀ Banhado (Piraquara), Paraná, Brazil p. 226 fig.; *P. melanoacanthus* **sp. nov.** ♀ Banhado (Piraquara), Paraná, Brazil p. 225 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Paraprosontes **gen. nov.** [Pachylinae] defined p. 258; genotype *P. inermis* **sp. nov.** ♂ Vila Velha, Paraná, Brazil p. 258 fig., SOARES & SOARES Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Paraproweyhia **gen. nov.** [Gonyleptinae] defined p. 138; genotype *P. curitibae* **sp. nov.** ♀ Curitiba, Paraná, Brazil p. 139 fig., SOARES & SOARES Pap. Avulsos Dept. Zool., S. Paulo **8** 1947.

Phareicranaus calcariferus ♂ + ♀ redescribed p. 7 figs., GOODNIGHT & GOODNIGHT **222**.

Prionostemma tekoma **sp. nov.** ♂ + ♀ Tekom, Yucatan, Mexico p. 56 fig., GOODNIGHT & GOODNIGHT Fieldiana Zool. Chicago **32** 1947.

Pseudostygnoplus clavotibialis **sp. nov.** ♂ + ♀ Tucker Valley, Southwest Trinidad p. 9 figs., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1351 1947.

Rhopalocranaus dybasi **sp. nov.** ♀ Cali, Dept. of Cauca, Colombia p. 40 fig., GOODNIGHT & GOODNIGHT Fieldiana Zool. Chicago **32** 1947; *R. albilineatus* ♂ redescribed p. 8 figs., GOODNIGHT & GOODNIGHT **222**.

Santinezia michenéri **sp. nov.** ♂ + ♀ Barro Colorado Id., Canal Zone, Panamá p. 11 figs., GOODNIGHT & GOODNIGHT Amer. Mus. Nov. no. 1340 1947.

Sodreana Mello-Leitão (1922) removed to Gonyleptinae p. 12; *S. sodreana* ♀ allotype described p. 12 figs., SOARES **493**.

Tupacarana gofferjei **sp. nov.** ♂ + ♀ Banhado, Paraná, Brazil p. 75 fig., Soares & Soares Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Ubatubesia **gen. nov.** [Gonyleptinae] defined p. 89; genotype *U. oliverioi* **sp. nov.** ♂ ♀ Ubatuba, São Paulo, Brazil p. 89 figs., Soares Bol. Industr. animal, S. Paulo **7** 1944; *U. travassosi* **sp. nov.** ♂ Angra dos Reis, Rio de Janeiro, Brazil p. 85 fig., Soares & Soares Pap. Avulsos Dept. Zool. S. Paulo **8** 1944.

Uropachylus nasutus **sp. nov.** ♀ Banhado (Piraquara), Parana, Brazil p. 227 fig., Soares & Soares Pap. Avulsos Dept. Zool. S. Paulo **8** 1947.

Wygodzinskyia viridiornata allotype ♂ described p. 87 fig., Soares & Soares **499.**

Zalonius spinipes **sp. nov.** ♂ Ubatuba, São Paulo, Brazil p. 87 fig., Soares Bol. Industr. animal, S. Paulo n.s. **7** 1944.

Zortalia leprevosti **sp. nov.** ♂ Engenheiro Lange, Paraná, Brazil p. 144 figs., Soares & Soares Pap. Avulsos Dept. Zool., S. Paulo **8** 1947.

Nemastomatidae

Nemastoma gigas longipes **var. nov.** ♂. ♀ Tirana, Albania p. 10 fig., Schenkel Rev. suisse Zool. Geneve **54** 1947; *N. quadripunctatum* note p. 477 fig., Hammen **254.**

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Metadasylobus albanicus **sp. nov.** ♂ Tirana, Albania p. 12 fig., Schenkel Rev. suisse Zool. Geneve **54** 1947.

Odontosoma **gen. nov.** [Phalangiinae] defined p. 55; genotype *O. centetes* **sp. nov.** ♂ locality unknown p. 56 figs., Šilhavý Sbor. přir. Klubu Třebiči **4** 1946.

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Prionostemma fichteri **sp. nov.** ♂ + ♀ Chagres River, Santa Rosa, Colon Province, Panama p. 15 fig.; *P. fuscamaculata* **sp. nov.** ♂ + ♀ Old Panama City, Panama p. 16 figs., Goodnight & Goodnight Amer. Mus. Nov. no. 1340 1947; *P. mello-leitão* **sp. nov.** ♂ ♀ British Guiana p. 21, Caporiacco Monit. zool. ital. Firenze **56** 1947; *P. vittatum* ♂ + ♀ redescribed p. 10 fig., Goodnight & Goodnight **222.**

Psammogeaya **gen. nov.** [Gagrellinae] defined p. 2; genotype *P. arenata* **sp. nov.** Punta Gorda, Montivideo, Uruguay p. 2, Mello-Leitão Comun. zool. Mus. Hist. Nat. Montevideo **2** 1946.

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† Characters of the Order, key to families p. 67, Petrunkevitch **411.**

† *Curculioides* key to American species p. 68; *C. gracilis* **sp. nov.** Pennsylvanian of the Mazon Creek p. 68 figs., Petrunkevitch Illinois State Mus. Sci. Pap. Springfield **3** 1945.

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Antennoseius borussicus **sp. nov.** ♀ in moss, Rauschen: ♂ Tharden, Germany p. 1 figs., SELLNICK Acari-Blatter fur Milbenkunde Konigsberg no. 6 1945.

Asca muricata **sp. nov.** ♀ from *Rattus norvegicus*, San Juan (San Juan proper), Puerto Rico p. 600 fig., FOX Ann. ent. Soc. Amer. Columbus **40** 1947.

Ascoschöngastia bushlandi **sp. nov.** larva on bushfowl (*Megapodius*), Owi Island, Schouten Group, Dutch New Guinea p. 387 figs., PHILIP J. Parasit. Lancaster, Pa. **33** 1947.

Atomus revised with key to spp. p. 485 figs., THOR & WILLMANN **530**.

Atricholaelaps megaventralis **sp. nov.** ♀ on gray squirrel, Georgia p. 112 figs., STRANDTMANN Proc. ent. Soc. Washington **49** 1947; *A. strandtmanni* **sp. nov.** ♀ from *Rattus* sp. or *Mus. musculus*, Camp O'Reilly, Gurabo, Puerto Rico, p. 598 fig., FOX Ann. ent. Soc. Amer. Columbus **40** 1947; *A. virginianus* (Ewing 1925) synon. with *A. glasgowi* (Ewing 1925) p. 84, EWING **180**.

Austrothrombium revised with key to spp. p. 482 figs., THOR & WILLMANN **530**.

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Bdella pallida redescribed p. 89 fig., ANDRÉ **14.**

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Belba inæquipes **sp. nov.** Duke Forest, Durham, N. Carolina p. 121 figs., BANKS Psyche Cambridge, Mass. **54** 1947; *B.* key to spp. p. 33; *B. aegrota* note p. 38 fig.; *B. aurita* note p. 37 figs.; *B. bituberculata* note p. 39 fig.; *B. clavipes* note p. 38 figs.; *B. compta* note p. 38 figs.; *B. corynopus* note p. 38 fig.; *B. crispata* note p. 37 figs.; *B. geniculatus* note p. 38 figs.; *B. gracilipes* p. 37 figs.; *B. lengersdorfi* note p. 39 fig.; *B. montana* note p. 39 figs.; *B. nivalis* note p. 36 fig.; *B. pulverulenta* note p. 37 fig.; *B. riparia* note p. 37 figs.; *B. tatrica* note p. 39 fig.; *B. tecticola* note p. 37 fig.; *B. verticillipes* note p. 38 figs., BALOGH **26.**

Blankaartia nilotica revised p. 499 fig., THOR & WILLMANN **530.**

Blattiosocius keegani **sp. nov.** ♀ from *Rattus norvegicus*, San Juan (Santurce), Puerto Rico p. 599 fig., Fox Ann. ent. Soc. Amer. Columbus **40** 1947.

Bonzia sphagnicola **sp. nov** in sphagnum, Schneebergmoore, Germany p. 455 figs.; *B. halacaroides* notes p. 455 figs., WILLMANN Beitr. Biol. Glatzer Schneeberges, Breslau **5** 1939.

Borinquolaelaps setulus **sp. nov.** ♀ from *Rattus norvegicus*, San Juan (Santurce), Puerto Rico p. 599 fig., Fox Ann. ent. Soc. Amer. Columbus **40** 1947.

Brachychthonius furcillatus **sp. nov.** in sphagnum, Ufer des Sager Meeres, Germany p. 170 fig., WILLMANN Abh. Nat. Ver. Bremen **32** 1942; *B. brevis* note p. 24 fig.; *B. horridus* note p. 23 fig.; *B. laetepictus* note p. 24 fig., BALOGH **26.**

Caenothrombium revised with key to spp. p. 426 figs., THOR & WILLMANN **530.**

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Carabodoides retracta **sp. nov.** Duke Forest, Durham, N. Carolina p. 123, figs., BANKS Psyche Cambridge, Mass. **54** 1947.

Centrotrombidium schneideri revised p. 226 fig., THOR & WILLMANN **530.**

Cepheus dentatus note p. 65 fig., BALOGH **26.**

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Chamobates cuspidatus note p. 84 figs.; *C. pusillus* note p. 84 fig.; *C. schützi* note p. 84 fig.; *C. spinosus* note p. 83 fig.; BALOGH **26**.

Chyzeria revised with key to spp. p. 203 figs., THOR & WILLMANN **530**.

Coccotydeus turneri **sp. nov.** ♀ Escambia Co., Alabama p. 134 fig., BAKER Proc. ent. Soc. Washington **49** 1947.

Coleolaelaps amazon var. *parvus* **var. nov.** ♀ on *Dinastide*, Rive del Caschei, Abyssinia p. 30 fig., LOMBARDINI Atti R. Accad. Ital. **12** 1941.

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Copriphis paolianus var. *abyssinica* **var. nov.** ♀ on *Gymnopleurus lugens*, El Dire, Abyssinia p. 28; *C. rufescens* **sp. nov.** ♀ on *Gymnopleurus lugens*, El Dire, Abyssinia p. 28 fig., LOMBARDINI Atti R. Accad. Ital. **12** 1941.

Corethrothrombium revised with key to spp. p. 480 figs., THOR & WILLMANN **530**.

Cosmochthonius domesticus **sp. nov.** Perigueux, Dordogne, France p. 354 fig.; *C. reticulatus* **sp. nov.** Perigueux, Dordogne, France p. 354 fig., GRANDJEAN Arch. Sci. phys. nat. Geneve (5) **29** 1947.

Ctenobelba **gen. nov.** [Eremaeidae] defined p. 52; genotype *C. pectinigera* (Berlese) (1908) p. 52 fig., BALOGH Mat. term. Közl. **39** 1943.

Cultroribula szent-ivanyi **sp. nov.** Köszeg, Hungary, p. 70 figs.; *C. bicultrata* note p. 71 figs.; *C. juncta* note p. 71 figs., BALOGH Mat. term. Közl. **39** 1943.

Cylliba sternalis var. *major* **var. nov.** on *Hister* sp. [COL.], Arero, Borana, Abyssinia p. 8, LOMBARDINI Atti R. Accad. Ital. **12** 1941.

Cymbaeremaeus cymbra note p. 32 fig., BALOGH **26**.

Damaeolus asperatus note p. 45 fig.; *D. laciniatus* note p. 45 fig., BALOGH **26**.

Dendrotrombidium perligerum revised p. 379 fig., THOR & WILLMANN **530**.

Digamasellus arcuatus **sp. nov.** in Sphagnum, Schneebergmoore, Germany p. 456 figs., WILLMANN Beitr. Biol. Glatzer Schneeberges, Breslau **5** 1939.

Dinothrombium revised with key to spp. p. 444 figs., THOR & WILLMANN **530**.

Dinychus fustipilis **sp. nov.** ♀ in nest of ant (*Atta sexdens*), Rio, Brazil p. 3 fig.; *D. stratus* **sp. nov.** ♂ ♀ Forli, Italy p. 3 fig.; *D. undulatus* **sp. nov.** ♂ ♀ Konigsdorfer Filz, Bavaria p. 2 fig.; *D. arcuatus* note p. 2 fig.; *D. carinatus* note p. 2 fig.; *D. inermis* redescribed p. 4 fig.; *D. perforatus* p. 2 fig., SELLNICK Acari-Blätter für Milbenkunde Konigsberg no. 6 1945.

Diplothrombium revised with key to spp. p. 222 figs., THOR & WILLMANN **530**.

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Echinothrombium revised with key to spp. p. 381 figs., THOR & WILLMANN **530**.

Edwardzetes edwardsi note p. 82 fig., BALOGH **26**.

Endotrombicula penetrans revised p. 320 figs., THOR & WILLMANN **530**.

Enemothrombium revised with key to spp. p. 389 figs., THOR & WILLMANN **530**.

Eobrachychthonius formosus **sp. nov.** in nest of *Larus ridibundus* [Black-headed Gull], Kalmthout, Belgium p. 9 fig., COOREMAN Bull. Mus. Hist. nat. Belg. **23** 1947.

Eothrombium revised with key to spp. p. 215 figs., THOR & WILLMANN **530.**

Epilohmannia elongata **sp. nov.** Duke Forest, Durham, N. Carolina p. 127 fig., BANKS Psyche Cambridge, Mass **54** 1947.

Epitrimerus eriophori **sp. nov.** ♀ on leaves of *Eriophorum polystachyum* var. *elatius*, Honkilahti, Komoinen, Mäkelä, Finland p. 30 fig.; *E. goodenowii* **sp. nov.** ♀ on leaves of *Carex Goodenowii*, Jomala, Möckelö, Finland p. 31 fig.; *E. liroi* **sp. nov.** on leaves of *Primula veris* Mariehamn, Ytternäs, Finland p. 33 fig.; *E. rivalis* **sp. nov.** ♀ on leaves of *Geum rivale*, Jomala, Ramsholm, Finland p. 34 fig.; *E. silenes-nutantis* **sp. nov.** ♀ on leaves of *Silene nutans*, Porvoo, Finland p. 35; *E. subacromius* **sp. nov.** ♀ on leaves of *Betula verrucosa*, Honkilahti, Palijärvi, Finland p. 35 fig.; *E. succisae* **sp. nov.** ♀ + ♂ on leaves of *Succisa pratensis*, Espoo, Forsbacka, Finland p. 36 fig., ROIVAINEN Acta ent. fenn. Helsinki **3** 1947.

Eremaeus politus **sp. nov.** Duke Forest, Durham, N. Carolina p. 126 figs., BANKS Psyche Cambridge, Mass **54** 1947; *E. hepaticus* note p. 55 figs.; *E. oblongus* note p. 56 figs., BALOGH **26.**

Eremobelba geographica note p. 53 figs., BALOGH **26**; *E. gracilior* notes p. 124 figs., BANKS **29.**

Ereynetes hydrophilus **sp. nov.** in nest of *Larus ridibundus* [Black-headed Gull], Kalmthout, Belgium p. 6 fig., COOREMAN Bull. Mus. Hist. nat. Belg. **23** 1947.

Eriophyes alni-borealis **sp. nov.** ♀ on leaves of *Alnus incana* var. *borealis*. Lätäseno, Vähäkurkkio, Finland p. 4; *E. diversicoloris* **sp. nov.** ♀ + ♂ on leaves of *Carex diversicolor*, Jomala, Ramsholm, Finland p. 5 fig.; *E. myricae* **sp. nov.** ♀ on leaves of *Myrica gale*, Jomala, Södersunda, Finland p. 7 fig.; *E. rosarum* note p. 9 fig.; *E. calycophthirus* comb. nov. p. 5; *E. exilis* comb. nov. p. 6; *E. inangulis* comb. nov. p. 7; *E. platanoideus* comb. nov. p. 8; *E. sorbeus* comb. nov. p. 10; *E. tiliae-nervalis* comb. nov. p. 13, ROIVAINEN Acta ent. fenn. Helsinki **3** 1947; *E. pini* var. *cupressi* **var. nov.** on cypress, La Cadière d'Azur, Var, France p. 475 figs., ANDRÉ Bull. Mus. Hist. nat. Paris (2) **18** 1947.

Erythraeus carolinus **sp. nov.** Duke Univ. Forest, Durham, N. Carolina p. 111 figs.; *E. exilipes* **sp. nov.** Duke Forest, Durham, N. Carolina p. 110 figs., BANKS PSYCHE Cambridge, Mass. **54** 1947; *E.* sp. larva on *Parabuthus mixtus*, El Dire, Abyssinia p. 34 figs., LOMBARDINI Atti R. Accad. Ital. **12** 1941.

Ettmülleria revised with key to spp. p. 494 figs., THOR & WILLMANN **530.**

Eubrachylaelaps crowei **sp. nov.** ♀ on grasshopper mouse (*Onychomys leucogaster articeps*) Rexroad Ranch, Meade Co., Kansas p. 391 fig., JAMESON J. Parasit. Lancaster, Pa. **33** 1944.

Eulaelaps stabularis notes p. 84 figs., EWING **180.**

Euschöngastia hamiltoni **sp. nov.** larva on *Eptesicus fuscus fuscus* (big brown bat), Millertown, New York, U.S.A.: paratypes on *Myotis subulatus leibii* (least brown bat) p. 251 fig.; *E. pipistrelli* **sp. nov.** larva on *Pipistrellus subflavus subflavus* (pygmy bat), Mud Cave, Stone Co., Missouri, U.S.A., p. 249 fig., BRENNAN J. Parasit. Lancaster, Pa. **33** 1947; *E. americana* revised p. 317, THOR & WILLMANN **530.**

Eutrichothrombium revised with key to spp. p. 385 figs., THOR & WILLMANN **530.**

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Euzetes seminulum note p. 85 fig., BALOGH **26.**

Furcoribula **gen. nov.** [Liacaridae] defined p. 69; genotype *F. furcillata* (Nordenskiöld) p. 70 figs., BALOGH Mat. term. Közl. **39** 1943.

Fuscozetes setosus note p. 86 fig., BALOGH **26.**

Gahrliepia revised with key to spp. p. 332 figs., THOR & WILLMANN **530.**

Galumna longiplumus note p. 91 fig., BALOGH **26.**

Gamasellus (*di*) *claviger* **sp. nov.** on *Onitis alexis* Rive del Caschei, Abyssinia p. 11 figs., LOMBARDINI Atti R. Accad. Ital. **12** 1941 ; *G. jeanneli* **sp. nov.** ♂ + ♀ Kerguelen Islands p. 70 figs., ANDRÉ Mém. Mus. Paris n.s. **20** 1947.

Gateria revised with key to spp. p. 338 figs., THOR & WILLMANN **530**.

Georgia revised with key to spp. p. 377 fig., THOR & WILLMANN **530**.

Globozetes longipilus note p. 81 fig., BALOGH **26**.

Gustavia microcephala note p. 74 figs., BALOGH **26**.

Gymnodamaeus minor **sp. nov.** Duke Forest, Durham, N. Carolina p. 117 figs. ; *G. pearsei* **sp. nov.** Duke University, Durham, N. Carolina p. 116 figs., BANKS Psyche Cambridge, Mass. **54** 1947 ; *G. bicostatus* note p. 40 fig. ; *G. femoratus* note p. 40 fig., BALOGH **26**.

Haffenrefferia gilvipes note p. 69 fig., BALOGH **26**.

Halarachne redefined p. 242 ; *H. americana* redescribed p. 244 figs., NEWELL **389** ; *H. halichoeri* notes p. 78 fig. ; *H. zalophi* notes p. 79 fig., FERRIS **188**.

Halolaelaps remanei **sp. nov.** ♂ + ♀ Farbstreifen-Sandwatts, Amrum, Germany p. 538 figs., WILLMANN Abh. Nat. Ver. Bremen **31** 1939.

Hammertonia **gen. nov.** [Entonyssidae] defined p. 21 ; genotype *Entonyssus bedfordi* Radford (1937) p. 21, TURK, Parasitology, Cambridge **38** 1947.

Hannemania perplexa **sp. nov.** larva on *Eptesius fuscus pallidus* (pale brown rat), Custer, Montana, U.S.A. p. 248 fig., BRENNAN J. Parasit. Lancaster, Penn. **33** 1947 ; *H. vellae* **sp. nov.** larva from bat or flying fox caught in cave, Joroveto, Vella Lavella Is., British Solomon Is., p. 409 figs., DUMBLETON Trans. Proc. Roy. Soc. N.Z. **76** 1947 ; *H.* revised with key to spp. p. 323 figs., THOR & WILLMANN **530** ; *H. ochotona* emend. from *H. ochotrona* p. 579 ; redescribed p. 585 figs., RADFORD **420** ; *H. ochotona* correction of fig. p. 275, RADFORD **422**.

Haplochthonius simplex all stages redescribed for a general study of Enarthronota p. 213 figs., GRANDJEAN **229**.

Hemitrombicula simplex revised p. 332, THOR & WILLMANN **530**.

Hermannia gibba note p. 29 figs., BALOGH **26**.

Hermanniella granulata note p. 60 fig., BALOGH **26**.

Heterodamœus synonym of *Gymnodamœus* p. 116, BANKS **29**.

Heterotrombidium sanremense revised p. 341 fig., THOR & WILLMANN **530**.

Hirstithrombium australiense revised p. 228, THOR & WILLMANN **530**.

Hoplothrombium quinquescutatum revised p. 501, THOR & WILLMANN **530**.

Humerobates fungorum note p. 85 fig., BALOGH **26**.

Hungarobelba **gen. nov.** [Belbidae] defined p. 39 ; genotype *H. visnyai* (Bal.) (1938) p. 40 fig., BALOGH Mat. term. Közl. **39** 1943.

Hydrozetes confervae note p. 54 fig ; *H. terrestris* note p. 55 fig., BALOGH **26**.

Ichoronyssus dentipes **sp. nov.** ♂ ♀ nymph on cotton rats, Hallettsville, Texas p. 31 figs., STRANDTMANN & EADS J. Parasit. Lancaster, Pa. **33** 1947.

Jacotella **gen. nov.** [Oribatidae] defined p. 115 ; genotype *Gymnodamaeus quadricaudiculus* Jacot (1937) note p. 116 figs., BANKS Psyche Cambridge, Mass. **54** 1947.

Joelia connexa note p. 93 fig., BALOGH **26**.

Johnstoniana revised with key to spp. p. 224 figs., THOR & WILLMANN **530** ; *J. errans* larva notes p. 525 fig., WILLMANN **582**.

Labidostomma mamillatus redescribed p. 129 figs., BANKS **29**.

Laelaps gen. reviewed p. 2 ; *L. alaskensis* notes p. 8 fig. ; *L. echidninus* notes p. 7 fig. ; *L. hollisteri* notes p. 7 fig. ; *L. kochi* notes p. 6 fig. ; *L. liomydis* notes p. 8 fig. ; *L. muris* notes p. 6 fig. ; list of doubtful spp. p. 9, GRANT **237**.

Laminothrombium plicifrons revised p. 388 fig., THOR & WILLMANN **530**.

Lasioseius spinosus **sp. nov.** ♂ + ♀ on seaweed, Brothener Ufer, Germany p. 538, p. 542 figs., WILLMANN Abh. Nat. Ver. Bremen **31** 1939.

Leeuwenhoekia revised with key to spp. p. 321 figs., THOR & WILLMANN **530**.

Lepidozetes singularis note p. 93, fig., BALOGH **26**.

Lepronyssoides, broadened to include *Liponyssus sternalis* Hirst (1921) p. 87, EWING **180**.

Leptothrombium revised with key to spp. p. 229 figs., THOR & WILLMANN **530**.

Liacarus key to spp. p. 71 ; *L. köszegiensis* **sp. nov.** Köszeg, Hungary p. 72 figs. ; *L. coracinus* note p. 72 fig. ; *L. nitens* note p. 72 fig. ; *L. tremellae* note p. 72 fig., BALOGH Mat. term. Közl. **39** 1943.

Licnermaeus licnophorus note p. 41 fig., BALOGH **26**.

Licnobelba alestensis note p. 42 figs. BALOGH **26**.

Licnodamaeus pulcherrimus note p. 42 figs. ; *L. undulatus* note p. 42 figs., BALOGH **26**.

Liebstadia similis note p. 75 fig., BALOGH **26**.

Limnozetes ciliatus subsp. *foveolatus* **subsp. nov.** in Sphagnum, Schneebergmoore, Germany p. 452, WILLMANN, Beitr. Biol. Glatzer Schneeberges, Breslau 5 1939 ; *L. ciliatus* note p. 87 fig., BALOGH **26**.

Liodes, whether same origin and meaning as *Leiodes* Latreille (1796) (COL.) p. 223, HEMMING **260** ; *L.* validity questioned p. 223, JACOT **282**.

Liponyssus americanus Banks (1906) synon. with *L. sylviarum* (Can. & Fanz. 1877) p. 87 ; *L. canadensis* Banks (1909) synon. with *L. sylviarum* p. 87 ; *L.* notes on gen. p. 84, EWING **180**.

Liroaspis armatus **sp. nov.** ♀ from *Rattus rattus*, San Juan (Santurce), Puerto Rico p. 600 fig., FOX Ann. ent. Soc. Amer. Columbus **40** 1947.

Listrophoroides leggadilla **sp. nov.** ♂ + ♀ on Ceylon spiny mouse (*Leggadilla fernandoni*), Nalanda, Ceylon p. 235 figs., RADFORD Proc. zool. Soc. London **117** 1947.

Listrophorus suncus **sp. nov.** ♂ + ♀ on Musk shrew (*Suncus caeruleus giganteus*), Colombo, Ceylon p. 233 figs., RADFORD Proc. zool. Soc. London **117** 1947.

Lohmannia brevipes **sp. nov.** Duke Forest, Durham, N. Carolina p. 128 figs., BANKS Psyche Cambridge, Mass. **54** 1947.

Lorryia chiapensis **sp. nov.** ♀ El Vergel, Chiapas, Mexico p. 135 figs., BAKER Proc. ent. Soc. Washington **49** 1947.

Lucoppia lucorum note p. 57 fig., BALOGH **26**.

Macrocheles cardiatus **sp. nov.** ♀ from *Rattus norvegicus*, San Juan (Santurce), Puerto Rico p. 602 fig. ; *M. lyratus* **sp. nov.** ♀ from *Rattus norvegicus*, San Juan (Santurce), Puerto Rico p. 602 fig., FOX Ann. ent. Soc. Amer. Columbus **40** 1947.

Macrolaelaps bhutanensis **sp. nov.** ♀ on *Vandeleuria nilagirica nilagirica* [Bat], Hasimara, Bhutan, N. India p. 351 fig., TURK Ann. Mag. nat. Hist. (11) **13** 1947.

Macronyssus notes on gen. p. 84, EWING **180**.

Malaconothrus egregius note p. 24 fig., BALOGH **26**.

Megalolaelaps zavattarii **sp. nov.** ♂ nymph on *Scarabaeus catenatus* [COL.], Gondaraba, Abyssinia p. 22 figs., LOMBARDINI Atti R. Accad. Ital. **12** 1941.

Melanozetes mollicomus note p. 86 fig., BALOGH **26**.

Mesoplophora pulchra note p. 101 fig., BALOGH **26**.

Micreremus brevipes note p. 32 figs., BALOGH **26**.

Microtrombidium revised with key to spp. p. 358 figs. ; *M.* key to larval forms p. 491 fig., THOR & WILLMANN **530**.

Microzetorchestes **gen. nov.** [Zetorchestidae] defined p. 75 ; genotype *M. emeryi* (Coggi) (1898) p. 75, BALOGH Mat. Term. Közl. **39** 1943.

Minunthozetes angusta **sp. nov.** Duke Forest, Durham, N. Carolina p. 114 figs., BANKS Psyche Cambridge, Mass. **54** 1947; *M. pseudofusiger* note p. 88 fig.; *M. semirufus* note p. 89 fig., BALOGH **26.**

Myianoetus muscarum ♂. ♀ redescribed p. 141 figs., COOREMAN **123.**

Myobia musculi egg, nymphal and adult stages described p. 65 figs., GRANT **236.**

Myocoptes kalrai **sp. nov.** ♂ + ♀ on gerbil (*Gerbillus* sp.), Cairo, Egypt p. 232 figs., RADFORD Proc. zool. Soc. London **117** 1947.

Myonysus key to spp. p. 376; *M. jamesoni* **sp. nov.** ♂ + ♀ on *Blarina brevicauda* (short-tailed shrew), Monroe Co., Pa., U.S.A., p. 377 figs., EWING & BAKER J. Parasit. Lancaster, Pa. **33** 1947.

Myrmicothrombium brevicristatum revised p. 227, THOR & WILLMANN **530.**

Neocypholaelaps **nom. nov.** pro *Cypholaelaps* Berlese (1918) preocc. p. 763, VITZTHUM **563.**

Neodiscopoma **nom. nov.** pro *Discopoma* G. & R. Canestrini (1882) sensu Berlese (1904) p. 785, VITZTHUM **563.**

Neolaelaps heteromys **sp. nov.** ♀ from *Heteromys anomalus* [MAM.], Rancho Grande, Venezuela p. 119 fig., FOX Zoologica, New York **32** 1947.

Neoliodes theleproctus note p. 30 fig., BALOGH **26.**

Neoribates aurantiacus note p. 90 fig., BALOGH **26.**

Neoschöngastia aethomyia redescribed p. 598 figs.; *N. guntheri* redescribed p. 596 figs.; *N. mirafra* redescribed p. 593 figs.; *N. otomyia* redescribed p. 601 figs.; *N. samboni* redescribed p. 599 figs., RADFORD **420**; *N.* revised with key to spp. p. 310 figs., THOR & WILLMANN, **530.**

Neotanaupodus tuberculatus revised p. 214, THOR & WILLMANN **530.**

Neothrombium neglectum revised p. 498 fig., THOR & WILLMANN **530.**

Neotrombidium revised with key to spp. p. 380 figs., THOR & WILLMANN **530.**

Nicoletiella carpatica **sp. nov.** Carpathians p. 448 figs.; *N. vejdovskyii* **sp. nov.** Prague, Austria p. 445 figs.; *N. denticulata* redescribed p. 438 figs., ŠTORKAN Vest. ceskosl. zool. Spolnec. Praze **6–7** 1939.

Notaspis coleoptratus note p. 97 fig.; *N. italicus* note p. 97 fig.; *N. nitens* note p. 97 fig.; *N. punctatus* note p. 97 fig., BALOGH **26.**

Nothotrombicula **gen. nov.** [Trombiculidae] defined p. 411; genotype *N. deinacridae* **sp. nov.** larva on giant weta (*Deinacrida rugosa* ?) [AVES.] Mt. Peel, Nelson, N.Z. p. 411 figs., DUMBLETON Trans. Proc. Roy. Soc. N.Z. **76** 1947.

Nothrus palustris note p. 27 fig., BALOGH **26.**

Notoedres key to spp. p. 137; *N. vanschaïki* redescribed all stages p. 141 figs., EYNDHOVEN **182.**

Notothrombium regis-borisi revised p. 221 fig., THOR & WILLMANN **530.**

Novophytoptus **gen. nov.** [Eriophyidae] defined p. 15; genotype *N. rostratae* **sp. nov.** ♀ on leaves of *Carex inflata*, Pojo, Persböle, Finland p. 16 fig., ROIVAINEN Acta ent. fenn. Helsinki **3** 1947.

Odontacarus revised with key to spp. p. 318, THOR & WILLMANN **530.**

Odontocepheus elongatus note p. 64 fig., BALOGH **26.**

Œcosmaris callitricha **nom. nov.** pro *Smaridia papillosa* Berlese, all stages described p. 39 figs., GRANDJEAN **231.**

Ologamasus inornatus notes p. 528 figs., WILLMANN **582.**

Ommatocepheus ocellatus note p. 62 fig., BALOGH **26.**

Ophidilaelaps **gen. nov.** [Laelaptidae] defined p. 237; genotype *O. imphalensis* **sp. nov.** ♀ on Copper headed rat-snake (*Coluber radiatus*), Imphal, Manipur State, India p. 238 figs.; *O. piger* notes p. 239 figs., RADFORD Proc. zool. Soc. London **117** 1947.

Ophiomegistus luzonensis redescribed p. 22 figs., GRANT **238.**

Ophionyssus serpentium notes p. 77 fig., FERRIS **188.**

Ophiopneumicola americana **sp. nov.** ♀ on corn snake (*Elaphe guttata*), London Zoological Gardens, England p. 21 figs. ; *O. hammertoni* ♀ redescribed p. 25 figs., TURK Parasitology, Cambridge **38** 1947.

Ophioptes coluber **sp. nov.** ♀ on Copper headed rat-snake (*Coluber radiatus*), Imphal, Manipur State, India p. 229 figs., RADFORD Proc. zool. Soc. London **117** 1947.

Opilioacarus papillosus **sp. nov.** in termites' nest, Forest of Banco, Ivory Coast, p. 322 figs., ANDRÉ Bull. Mus. Hist. nat. Paris (2) 1947.

Oppia key to spp. p. 47 ; *O. bicarinata* note p. 49 fig. ; *O. concolor* note p. 51 fig. ; *O. fallax* note p. 49 fig. ; *O. falcata* note p. 50 fig. ; *O. insculpta* note p. 50 fig. ; *O. longilamellata* note p. 50 fig. ; *O. minus* note p. 49 fig. ; *O. neerlandica* note p. 49 fig. ; *O. obsoleta* note p. 50 fig. ; *O. ornata* note p. 49 fig. ; *O. quadricarinata* note p. 49 fig. ; *O. splendens* note p. 50 fig. ; *O. subpectinata* note p. 50 fig. ; *O. unicarinata* note p. 49 fig., BALOGH **26**.

Oppiella apicalis note p. 122 figs. BANKS **29**.

Oribata carolinensis **sp. nov.** Duke Forest, Durham, N. Carolina p. 119 figs. ; *O. diversipes* **sp. nov.** Duke Forest, Durham, N. Carolina p. 120 figs., BANKS Psyche Cambridge, Mass. **54** 1947 ; *O. geniculata* note p. 57 fig., BALOGH **26**.

Oribatella carolina **sp. nov.** Duke Forest, Durham, N. Carolina p. 112 figs., BANKS Psyche Cambridge, Mass. **54** 1947 ; *O. hungarica* **sp. nov.** Herkulesfurdö, Hungary p. 95 fig. ; *O. calcarata* note p. 95 fig. ; *O. dudichi* note p. 95 fig. ; *O. ornata* note p. 96 fig. ; *O. quadricornuta* note p. 95 fig. ; *O. reticulata* note p. 95 fig. ; *O. sexdentata* note p. 95 fig., BALOGH Mat. term. Közl. **39** 1943.

Oribatula tibialis note p. 76 fig., BALOGH **26**.

Oribella key to spp. p. 51 ; *O. castanea* note p. 51 figs. ; *O. crosbyi* note p. 51 fig. ; *O. paolii* note p. 52 fig. ; *O. pectinata* note p. 52 fig., BALOGH **26**.

Oribotritia cribaria note p. 104 fig. ; *O. decumana* note p. 104 fig. ; BALOGH **26**.

Oromurcia sudetica **sp. nov.** Schneebergmoore, Germany p. 451 figs., WILLMANN Beitr. Biol. Glatzer Schneeberges, Breslau **5** 1939.

Orthohalarachne **gen. nov.** [Halarachnidae] defined p. 249 ; genotype *Halarachne attenuata* Banks (1910) redescribed p. 250 figs. ; *O. diminuata* redescribed p. 260 figs., NEWELL Bull. Bingham Oceanogr. Coll. New Haven **10** 1947.

Otocepheus dorni note p. 54 fig., BALOGH **26**.

Oxypleurites obtusus **sp. nov.** ♀ on leaves of *Acer platanoides*, Snappertuna, Snytebo, Finland p. 38 fig. ; *O. serratus* redescribed p. 39 fig., ROIVAINEN Acta ent. fenn. Helsinki **3** 1947.

Pachylaelaps cordiformis var. *flava* **var. nov.** on *Heliocopris amadryas* [COL.], Javello, Abyssinia p. 22, LOMBARDINI Atti R. Accad. Ital. **12** 1941 ; *P. fuscinulinger* notes p. 529 fig., WILLMANN **582**.

Parachyzeria revised with key to spp. p. 208 figs., THOR & WILLMANN **530**.

Paralaelaps gondarabae **sp. nov.** ♂ ♀ on *Scarabaeus catenatus* [COL.], Gondaraba, Abyssinia p. 26, LOMBARDINI Atti R. Accad. Ital **12** 1941.

Parasitellus **gen. nov.** [Parasitiformes] defined p. 534 ; genotype *Eugamasus* (?) *ferox* Trägårdh (1910) redescribed p. 535 figs., WILLMANN Abh. Nat. Ver. Bremen **31** 1939.

Parasitus cascheii **sp. nov.** nymph, Rive del Caschei, Abyssinia p. 9 fig., LOMBARDINI Atti R. Accad. Ital. **12** 1941.

Paratrombium revised with key to spp. p. 496 figs., THOR & WILLMANN **530**.

Passalozetes africanus note p. 62 figs. ; *P. bidactylus* note p. 62 fig., BALOGH **26**.

Pediculoides cascheii **sp. nov.** ♀ on *Onitis alexis*, Caschei, Abyssinia, p. 30 figs., LOMBARDINI Atti R. Accad. Ital. **12** 1941 ; *P. graminum* all stages described p. 321 figs., ALFARO **5**.

Pelops duplex note p. 99 fig. ; *P. planicornis* note p. 99 fig., BALOGH **26**.

Peloptulus phaenotus note p. 100 fig., BALOGH **26**.

Peloribates europaeus note p. 79 figs., BALOGH **26**.

Pentagonella revised with key to spp. p. 292 figs., THOR & WILLMANN **530**.

Phthiracarus crinitosimilis **sp. nov.** in Sphagnum, Schneebergmoore, Germany p. 452 figs., WILLMANN Beitr. Biol. Glatzer Schneeberges, Breslau **5** 1939; *P. globosus* note p. 103 fig., BALOGH **26**.

Phyllocoptes alni-incanae **sp. nov.** ♀ on leaves of *Alnus incana*, Pojo, Finland p. 17; *P. myricae* **sp. nov.** ♀ on leaves of *Myrica gale*, Jomala, Södersunda, Finland p. 20 fig.; *P. myrsinitis* **sp. nov.** ♀ from galls of *Salix myrsinites* & *S. reticulata*, Kilpisjarvi, Finland p. 21; *P. ornatus* **sp. nov.** ♀ on leaves of *Salix phylicifolia*, Säkylä, Haukkavuori, Finland p. 21 fig.; *P. oxycocci* **sp. nov.** ♀ on leaves of *Oxycoccus quadripetalus*, Jomala, Sodersunda, Finland p. 22 fig.; *P. padi* **sp. nov.** ♀ on leaves of *Prunus padus*, Rauma, Omenapuumaa, Finland p. 23 fig.; *P. undulatus* **sp. nov.** ♀ on leaves of *Salix phylicifolia*, Säkylä, Haukkavuori, Finland p. 26 fig.; *P. fockeui* redescribed p. 18 fig.; *P. pseudoplatani* **comb. nov.** p. 24 fig.; *P. violae* note p. 27 fig., ROIVAINEN Acta ent. fenn. Helsinki **3** 1947.

Phytoptus liroi **sp. nov.** ♀ on leaves of *Carex disticha*, Mariehamn, Finland p. 15 figs.; *P. caricis* **comb. nov.** p. 14, ROIVAINEN Acta ent. fenn. Helsinki **3** 1947.

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Platynothrus peltifer note p. 28 fig., BALOGH **26**.

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Poecilochthonius **gen. nov.** [Hypochthoniidae] defined p. 22; genotype *P. italicus* (Berlese 1910) note p. 22 figs.; *P. hungaricus* **sp. nov.** Nadap, Pótharaszt, Hungary p. 23 fig., BALOGH Mat. term. Közl. **39** 1943.

Polydiscia squamata revised p. 342 fig., THOR & WILLMANN **530**.

Prodinychus flagelliger note p. 5 fig.; *P. fimicolus* note p. 4 fig., SELLNICK **469**.

Protonyssus **gen. nov.** [Macronyssidae] defined p. 347; genotype *P. uniscutatus* **sp. nov.** on *Proechimys calidius* [Bat] Bulun, Northern Ecuador p. 348 fig., TURK Ann. Mag. nat. Hist. (11) **13** 1947.

Protoschelobates seghettii **sp. nov.** vector of *Moniezia expansa*, Beltsville, Maryland p. 64 figs., RUNKEL & KATES Proc. helminth. Soc. Washington **14** 1947.

Prozercon key to spp. p. 7, SELLNICK **468**.

Psamnogalumna **gen. nov.** [Galumnidae] defined p. 92; genotype *P. hungaricus* (Sellnick) (1925) p. 92 figs., BALOGH Mat. term. Közl. **39** 1943.

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Pygmephorus togatus **sp. nov.** ♀ in sphagnum, Jahrsmoor, near Hamburg-Altona, Germany p. 175 figs., WILLMANN Abh. Nat. Ver. Bremen **32** 1942.

Rhagidia kerguelenensis redescribed p. 78 figs., ANDRÉ **14**.

Rhinothrombium revised with key to spp. p. 216 figs., THOR & WILLMANN **530**.

Rhizoglyphus sportilionensis **sp. nov.** ♂ ♀ Grotta di S. Michele Arcangelo (Oleveno sul Tusciano) and Grotta degli Sportiglioni (Avella), Italy p. 1, fig., LOMBARDINI Boll. Soc. Nat. Napoli **56** 1947.

Rhombognathus key to North American spp. p. 40; *R. magnirostris* var. *magnirostris* redescribed p. 41 figs., NEWELL **388**.

Rhyncaphytoptus gigantorhynchus notes p. 40 fig., ROIVAINEN **446**.

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Scalothrombium **gen. nov.** [Trombidiidae] defined p. 241; genotype *Enthrombium scalaris* Womersley (1936) p. 242. THOR & WILLMANN Das Tierreich Berlin **71** 1947.

Scarpheremaeus reticulatus note p. 32 fig., BALOGH **26**.

Scheloribates laevigatus note p. 80 fig., BALOGH **26**.

Schöngastia revised with key to spp. p. 297 figs., THOR & WILLMANN **530**.

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Sclerosmaris philopempta **sp. nov.** ♂ + ♀ & nymph Menton, France p. 53 figs., GRANDJEAN Arch. Zool. exp. gén. Paris **85** 1947.

Scutacarus tackei **sp. nov.** in moss (*Hypnum* sp.), Oyten, Konigsmoor, Germany p. 171 figs., WILLMANN Abh. Nat. Ver. Bremen **32** 1942.

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Spinibdella arenosa **sp. nov.** on sand dune Heligoland p. 532 fig., WILLMANN Abh. Nat. Ver. Bremen **31** 1939.

Starkovia **gen. nov.** [Parasitidae] defined p. 175; genotype *S. termitophila* **sp. nov.** ♂ ♀ on *Reticulitermes lucifugus* [ISOPTERA]. Lake Albano, Italy p. 177 figs., LOMBARDINI Redia Firenze **32** 1947.

Stygothrombium karamani revised p. 510 fig., THOR & WILLMANN **530**.

Suctobelba intermedia **sp. nov.** Swischenmoores, Rehdanzgraben, Germany p. 449 fig.; *S. subtrigona* p. 449 fig., WILLMANN Beitr. Biol. Glatzer Schneeberges, Breslau **5** 1939; *S. sabtrigona* note p. 46 fig., BALOGH **26**.

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Tanaupodus revised with key to spp. p. 212 figs., THOR & WILLMANN **530**.

Tarsonemoides uliginosus **sp. nov.** ♀ in moss (*Hypnum*), Konigsmoor, Oyten, Germany p. 178 figs., WILLMANN Abh. Nat. Ver. Bremen **32** 1942.

Tarsonemus moliniensis **sp. nov.** ♂ + ♀ in nest of *Larus ridibundus* [Black-headed Gull], Kalmthout, Belgium p. 5 fig., COOREMAN Bull. Mus. Hist. nat. Belg. **23** 1947.

Tecomatlana **gen. nov.** [Trombiculidae] defined p. 451; genotype *T. sandovali* **sp. nov.** on bat, Tecomatlan, Puebla, Mexico p. 452 figs., HOFFMANN An. Escuela Nac. Cienc. Biol. Mexico **4** 1947.

Tectocepheus sarekensis note p. 61 figs., BALOGH **26**.

Termitonyssus **gen. nov.** [Laelaptidae] defined p. 30; genotype *T. primus* **sp. nov.** ♀ on *Macrotermes barneyi* [ISOPT.], Yen Bay, Tonkin p. 32 fig., SILVESTRI Boll. Lab. Ent. Agr. Portici **7** 1947.

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Trachyuropoda lagrecqi **sp. nov.** ♂ ♀ Grotta di S. Michele Arcangelo (Olevano sul Tusciano), Italy p. 4 figs., LOMBARDINI Boll. Soc. Nat. Napoli **56** 1947.

Tragardhula nilotica revised p. 353, THOR & WILLMANN **530**.

Tricheremaeus conspicuus note p. 56 figs.; *T. pilosus* note p. 56 figs., BALOGH **26**.

Trichoribates incisellus rotundatus **subsp. nov.** in sphagnum, Schneerbergmoore, Germany p. 451 fig., WILLMANN Beitr. Biol. Glatzer Schneeberges, Breslau **5** 1939; *T. trimaculatus* note p. 87 fig., BALOGH **26**.

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Xenillus occultus **sp. nov.** Duke Forest, Durham, N. Carolina p. 125 figs., BANKS Psyche Cambridge, Mass. **54** 1947; *X. latus* note p. 64 fig.; *X. splendens* note p. 63 figs.; *X. tegeocranus* note p. 63 fig., BALOGH **26**.

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Allokrendowskia dentipes ♂ redescribed p. 15 figs., LUNDBLAD Ark. Zool. Stockholm **38A** 1947.

Arhodeoporus **subgen. nov.** see *Copidognathus*.

Arrenurus (s. str.) *abruptus* sp. nov. ♂ Majunga, Madagascar p. 21 fig.; *A.* (*Micrarrenurus*) *dentifer* sp. nov. ♂ + ♀ Majunga, Madagascar p. 30 figs.; *A.* (*M.*) *sinipetiolatus* sp. nov. ♂ Madagascar p. 37 fig.; *A.* (*M.*) *calamifer* ♂ redescribed p. 36 fig.; *A.* (*M.*) *limbatus* ♂ redescribed p 27 figs.; *A.* (*Megalurarrenurus*) *latipalpis* ♂ redescribed p. 25 fig.; *A.* (*M.*) *pectinatus* ♂ + ♀ redescribed p. 23 figs.; *A.* (s. str.) *frontiporus* ♂ redescribed p. 17 fig., Lundblad Ark. Zool. Stockholm 38A 1947; *A.* revision of genus in Bohemia and Moravia p. 52; *A.* (*M.*) sp. described p. 74 figs., BAYER 35; *A. leucharti*, *A. ornatus* and *A. neumani* parasitism, habits and development p. 116, KILLINGTON & BATHE 300; *A. mülleri* notes p. 18 fig., CRONHOLM 127.

Copidognathus key to North American spp. p. 130; *C.* (s. str.) *arctus* sp. nov. ♂ + ♀ North America p. 140 figs.; *C.* (s. str.) *bordi* sp. nov. ♂ + ♀ Florida, North America p. 145 figs.; *C.* (s. str.) *bicaudatus* sp. nov. ♀ Florida, North America p. 151 figs.; *C.* (s. str.) *caudatus* sp. nov. ♀ Florida, North America p. 164 figs.; *C.* (s. str.) *pachypus* sp. nov. Florida, North America p. 170 figs.; *C.* [illegible] *floridensis* subsp. nov. ♂ Florida, North America p. 155 figs.; *C.* [illegible] redescribed p. 172 figs.; *C.* (s. str.) [illegible] redescribed p. 150 figs.; *C.* (s. str.) *pratulus* redescribed p. 160 figs.; *C.* (s. str.) *hummelinki* redescribed p. 162 figs.; *C.* (s. str.) *pulcher* redescribed p. 167 figs.; *C.* (s. str.) *punctatissimus* redescribed p. 132 figs.; *C.* (s. str.) *septentrionalis* redescribed p. 158 fig.; *C.* (*Arhodesporus* subgen. nov.) *arenarius* sp. nov. ♂ + ♀ New Haven Co., Connecticut p. 175 figs.; *C.* (*A.*) *submarinus* sp. nov. ♂ + ♀ Rhode Id., North America p. 178 figs., NEWELL Bull. Bingham Oceanogr. Coll. New Haven 10 1947.

Encentridophorus brevispinus sp. nov. ♀ Majunga, Madagascar p. 7 fig. LUNDBLAD Ark. Zool. Stockholm 38A 1947.

Halacarus key to North American spp. p. 82; *H.* (s. str.) *frontiporus* sp. nov. ♂ + ♀ Rhode Id., North America p. 91 figs.; *H.* (s. str.) *actenos actenos* redescribed p. 87 figs.; *H.* (s. str.) *anomalus* redescribed p. 97 figs.; *H.* (s. str.) *ctenopus* redescribed p. 82 figs.; *H.* (*Thalassarachna*) *balticus* redescribed p. 108 figs.; *H.* (*T.*) *basteri basteri* redescribed p. 102 figs.; *H.* (*T.*) *capuzinus* redescribed p. 118 figs.; *H.* (*T.*) *longipes* redescribed p. 126 figs.; *H.* (*T.*) *subterraneus* redescribed p. 112 figs., NEWELL Bull. Bingham Oceanogr. Coll. New. Haven 10 1947.

Hydrachna (*Diplohydrachna*) *madagascariensis* sp. nov. ♂ Majunga, Madagascar p. 1 fig. LUNDBLAD Ark. Zool. Stockholm 38A 1947; *H.* [illegible] var. [illegible] var. nov. ♂ Eiolo, Abyssinia p. 32. LOMBARDINI Atti R. Accad. Ital. 12 1941.

Hydrodroma capensis ♀ redescribed p. 6 fig., LUNDBLAD 332.

Isobactrus gen. nov. [Halacaridae] defined p. 68; genotype *Aletes setosus* Lohmann (1889) redescribed p. 69 figs.; *I. hutchinsoni* sp. nov. ♂ + ♀ New Haven Co., Connecticut, North America p. 77 figs.; *I. levis* redescribed p. 74 figs., NEWELL Bull. Bingham Oceanogr. Coll. New Haven 10 1947.

Kongsbergia alata sp. nov. ♂. ♀ Jadremente, Bihar, Rumania p. 43 figs.; *K. bombifrons* sp. nov. ♀ Jádremente, Bihar, Rumania p. 47 fig.; *K. clypeate* sp. nov. ♂. ♀ Hidegszamos, Kolozs, Rumania p. 38 figs., SZALAY Ann. hist.-nat. Mus. hung. 38 1945.

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Lohmannella falcata notes p. 190 figs., NEWELL 388.

Megapus lundbladi sp. nov. in glacial stream, Kilima-Njaro, Tanganyika Territory p. 1 figs., HALIK Arch. Zool. Stockholm 39B 1947; *M.* (*Megapus*) *pumilus* sp. nov. ♂ Dragán-Bache, Bihar, Rumania p. 127 figs.; *M.* (*M.*) *subterraneus* var. *obovalis* var. nov. ♀ Barátka-Bratcuta, Bihar, Roumania, p. 123 figs.; *M.* (*M.*) *latipalpis* var. ? ♂ Dragán-Tales, Bihar, Roumania p. 125 figs., SZALAY Ann. hist.-nat. Mus. hung. 39 1946.

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Mideopsis (*Nudomideopsis* **subgen. nov.**) *longipalpis* **sp. nov.** ♂ Rév, Bihar, Rumania p. 49 fig., SZALAY Ann. hist.-nat. Mus. hung. **38** 1945.

Neumania (*L.*) *projecta* ♂ + ♀ redescribed p. 8 figs., LUNDBLAD **332.**

Nudomideopsis **subgen. nov.** see *Mideopsis.*

Oxus oblongus notes p. 11 fig., CRONHOLM **127.**

Piona (s. str.) *madagascariensis* **sp. nov.** ♂ + ♀ Majunga, Madagascar p. 12 figs.; *P.* (s. str.) *seyrigi* **sp. nov.** ♂ + ♀ Majunga, Madagascar, p. 10 fig., LUNDBLAD Ark. Zool. Stockholm **38A** 1947;; *P. nodatoides* notes p. 15 fig.; *P. variabilis* var. *dispersa* notes p. 16 fig., CRONHOLM **127.**

Rhombognathides key to North American spp. p. 47; *R. merrimani* **sp. nov.** ♂ + ♀ p. 56 figs.; *R. merrimani* var. *merrimani* **var. nov.** and *R. merrimani* var. *needleri* **var. nov.** St. Andrews, New Brunswick p. 56; *R. mucronatus* redescribed p. 54 figs.; *R. pasens* redescribed p. 48 figs.; *R. seahami* redescribed p. 51 figs., NEWELL Bull. Bingham Oceanogr. Coll. New Haven **10** 1947.

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hosts p. 212, RINGUELET Notas Mus. La Plata **12** 1947 ; *I. radfordi* **sp. nov.** ♀ on *Rattus rattus rufescens*, Kanglatongbi, Imphal, Manipuh State, India p. 497, fig., KOHLS J. Parasit. Lancaster, Pa. **33** 1947 ; *I. canisuga* var. *kerguelenensis* redescribed p. 72 figs. ; *I. percavatus* redescribed p. 74 fig., ANDRÉ **14** ; *I. hexagonus* biology, distribution, habits, records from hosts and effect of bite p. 69, ARTHUR **19** ; *I. holocyclus* biology p. 175 figs., MUSGRAVE **383** ; *I. howelli* ♂ . ♀ . nymph & larva redescribed p. 57 figs., KOHLS **306** ; *I. ricinus* seasonal activity in Wales p. 72, EDWARDS & ARTHUR **174** ; *I. ricinus* seasonal and diurnal activity p. 27, MILNE **376** ; *I. ricinus* infestations of hill sheep in England p. 34, MILNE **377** ; *I. soricis* geographic range p. 200, JAMESON **283**.

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MYRIOPODA

CHILOPODA

Faunal list.—Austrian Alps & Mediterranean, VERHOEFF **555** ; Zante, Greece, ATTEMS **20** ; Libya, MANFREDI **346** ; Turkey, KOSSWIG **309**.

SCHENDYLIDAE key to American genera p. 147, CHAMBERLIN **101**.

Arebius petrovius **sp. nov.** Finch Creek, Monterey Co., California p. 39 ; *A. sequens* **sp. nov.** ♂ + ♀ Hastings Reservation, Monterey Co., California p. 39, CHAMBERLIN Pan-Pacif. Ent. S. Francisco **23** 1947.

Chaetechelyne vittata **sp. nov.** Italy VERHOEFF Zool. Anz. Leipzig **141** 1943.

Cryptops annectus **sp. nov.** El Valle, Panama p. 146 CHAMBERLIN Ent. News Philad. **58** 1947 ; *C.* key to European spp. p. 175 ; *C. anomalans* notes p. 173 figs. ; *C. savignyi* and *savignyi hirtitarsis* notes p. 173 figs., DEMANGE **143**.

Cymochilus **gen. nov.** [Schendylidae] defined p. 147 ; genotype *C. panamicola* **sp. nov.** Panama p. 148 fig., CHAMBERLIN Ent. News Philad. **58** 1947.

Dignathodon pachypus **sp. nov.** Italy, VERHOEFF Zool. Anz. Leipzig **141** 1943.

Escaryus key to spp. p. 37; *E. monticolens* **sp. nov.** ♀ Mill Creek Canyon, Utah p. 37, CHAMBERLIN Pan-Pacif. Ent. S. Francisco **23** 1947.

Geophilus glocknerensis **sp. nov.** ♀ Möll-Nebental and Glockner-Gebiet, Austrian Alps p. 4 figs.; *G. glocknerensis moellensis* **subsp. nov.** ♀ Glocknergebiet, Austrian Alps p. 5 figs.; *G. insculptus* notes p. 3 fig., VERHOEFF Abh. preuss. Akad. Wiss. **1940**; *G. flavidus faitanus* **subsp. nov.** Italy, VERHOEFF Zool. Anz. Leipzig **141** 1943

Himantarium gabrielis abbreviatum **subsp. nov.**; *H. gabrielis insulanum* **subsp. nov.** Italy, VERHOEFF Zool. Anz. Leipzig **141** 1943.

Lithobius (*Monotarsobius*) *baloghi* **sp. nov.** ♂ Pietrosz, ♀ Homoródfürdö, Hungary p. 76 figs.; *L.* (*M.*) *dudichi* **sp. nov.** Csikszereda (Somlyóhegy), Hungary p. 73 figs.; *L.* (*M.*) *aeruginosus armatus* **sub.sp. nov.** ♂ Buzsora, ♀ Gyilalja, Hungary p. 82 figs.; *L.* (*M.*) *aeruginosus biunguiculatus* **subsp. nov.** ♀ Gyulaszeg, ♂ Torjaer Sanatorium, Hungary p. 83 figs.; *L.* (*M.*) *aeuroginosus* redescribed p. 80 figs.; *L.* (*M.*) *curtipes* compared with *L. baloghi* p. 79 figs., LOSKA Fragmenta faun. Hungarica **10** 1947; *L. capreae* **sp. nov.** Isle of Capri, *L. fimbriarum* **sp. nov.**; *L. forficatus degener* **subsp. nov.** *L. mutabilis rupinarum* **subsp. nov.**; *L. separatus* **sp. nov.**; L. (*Archilithobius*) *anacaprensis* **sp. nov.**; *L.* (*A.*) *zangherii* **sp. nov.**; Italy, VERHOEFF Zool. Anz. Leipzig **141** 1943; *L.* (*Archilithobius*) *invadens* **sp. nov.** ♀ in nest of *Macrotermes barneyi* [ISOPT.], Yon Bay, Tonkin p. 32 fig., SILVESTRI Boll. Lab. Ent. Agr. Portici **7** 1947; *L. maximovici* **sp. nov.** ♂. ♀ Klučná, Czechoslovakia p. 93 figs.; *L. parvus* **sp. nov.** ♂ Zbiroh, ♀ Berounka, Czechoslovakia p. 90 figs., FOLKMANOVA Vest. ceskosl. zool. Spolnec. Praze **10** 1946; *L. moellensis* **sp. nov.** ♂ + ♀ Grossglocknergebiet, Austrian Alps p. 6 figs.; L. *saalachiensis* redescribed p. 7 fig., VERHOEFF Abh. preuss. Akad. Wiss. **1940**; *L. validus*, variations and relation towards other species p. 98, FOLKMANOVA **197**.

Mesobothrus **gen. nov.** [Lithobiidae] genotype *M. troglomontanus* **sp. nov.** ♀ Vodna Pecina, Mulje, Balkans p. 53 figs., FOLKMANOVÁ Vest. ceskosl. zool. Spolnec. Praze **8** 1940.

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Nadabius cherokeenus **sp. nov.** ♂ Atlanta, Georgia p. 38 fig., CHAMBERLIN Pan-Pacif. Ent. S. Francisco **23** 1947.

Otostigmus spinicaudus latispinus **var. nov.** Derna, Libya p. 112, MANFREDI Bull. Mus. Zool. Anat. comp. Torino **47** 1939.

Polybothrus gloriastygis redescribed p. 47 figs., FOLKMANOVÁ **195**.

Schendyla tesselata **sp. nov.** Italy, VERHOEFF Zool. Anz. Leipzig **141** 1943.

Schizopolybothrus stygis **sp. nov.** ♂ Iljina Pecina, Lasadu, Balkans p. 50 figs., FOLKMANOVÁ Vest. ceskosl. zool. Spolnec. Praze **8** 1940.

Scolioplanes tauerorum **sp. nov.** ♂ Glocknergebiet, Austrian Alps p. 5 figs., VERHOEFF Abh. preuss. Akad. Wiss. 1940; *S. crassipes faitanus* **subsp. nov.**; *S. crassipes alsaticus sorrentinus* **subsp. nov.**, Italy, VERHOEFF Zool. Anz. Leipzig **141** 1943.

DIPLOPODA

Faunal list.—Austria, VERHOEFF **556** Koszeg, Hungary, SZALAY **524**; Zante Greece, ATTEMS **20**; Libya, MANFREDI **346**; Turkey, KOSSWIG **309**.

HYPOGEXENIDAE **fam. nov.** between Lophoproctidae and Polyxenidae p. 41, SCHUBART Bol. Mus. nac. Rio **82** 1947.

VANHOEFFENIIDAE key to Indian genera, TURK **543**.

Aceratophallus guatemalae **sp. nov.** ♂ Piedras Negras, Guatemala p. 31 figs., CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Alloporus nigricollis **sp. nov.** ♂. ♀ Rio Araguaia, Leopoldina, Matto Grosso, Brazil p. 4 figs., SCHUBART Bol. Mus. nac. Rio 82 1947.

Ancistroxenus **gen. nov.** [Lophoproctidae] defined p. 40; genotype *A. tupiensis* **sp. nov.** Aurá, Pará, Brazil p. 41 figs., SCHUBART Bol. Mus. nac. Rio **82** 1947.

Apheloria pinicola **sp. nov.** ♂ + ♀ Pine Mt., Kentucky p. 26 figs.; *A. roanea* **sp. nov.** ♂ Harriman, Roane Co., Tennessee p. 26 fig.; *A. coriacea* note p. 25 fig., CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Apoxenus **gen. nov.** [Polyxenidae] defined p. 46; genotype *A. floricolens* NOM. NUD. p. 46 figs.; *A. micronesius* **sp. nov.** ♂ Bigatyelang Is., Ailinglapalap, Micronesia p. 46, CHAMBERLIN Ent. News Philad. **58** 1947.

Araguayadesmus **gen. nov.** [Stylodesmidae] defined p. 36; genotype *A. ligulifer* **sp. nov.** ♂. ♀ Xambioa, Pará, Brazil p. 37 figs.; *A. cochlearius* **sp. nov.** ♂ Aurá, Pará, Brazil p. 49 figs., SCHUBART Bol. Mus. nac. Rio **82** 1947.

Arinolus chiricahuanus **sp. nov.** ♂ White Tail Canyon, Chiricahua, Arizona p. 50 figs.; *A. zacatecus* **sp. nov.** ♂ Temperoso del Oro Mts., Zacatecas, Mexico p. 51 figs., CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Arndtodesmus carvalhoi **sp. nov.** ♂. ♀ Aurá, Pará, Brazil p. 49 figs., SCHUBART Bol. Mus. nac. Rio **82** 1947.

Aztecolus pablillo **sp. nov.** ♂ Pablillo, Nuevo Leon, Mexico p. 47 figs., CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Brachoria brachypus **sp. nov.** ♂ Harriman, Roane Co., Tennessee p. 26 fig.; *B. separanda* **sp. nov.** ♂ Jennings, Garrett Co., Maryland, p. 28 fig. CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Brachydesmus (*Stylobrachydesmus*) *dadyi dudichi* **subp. nov.** Dudich. Aranyosmarot, Hungary p. 237 figs., VERHOEFF Mat. term. Ért. Budapest **60** 1941.

Cambalopsis norquisti new to Brazil p. 36, SCHUBART **462**.

Caseya dynotypa **sp. nov.** ♀ Hastings Reservation, Monterey Co., California p. 9, CHAMBERLIN Proc. biol. Soc. Washington **60** 1947.

Ceuthauxus mediator **sp. nov.** ♂ Pablillo, Neuvo Leon, Mexico p. 32 fig.; *C. potosianus* **sp. nov.** ♂ + ♀ Alvarez, San Luis Potosi, Mexico p. 32 fig., CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Chicobolus **gen. nov.** [Spirobolidae] defined p. 46; genotype *C. pilsbryi* **sp. nov.** ♀ Boca Chica Key, Florida p. 46 figs., CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Chrondromorpha kaimura **sp. nov.** ♂ + ♀ Guptasvera cave, Kaimur plateau, Shahabad distr., Bihar, India p. 71 figs., TURK Proc. Zool. Soc. London **117** 1947.

Craspedosoma alemannicum chiemense **subsp. nov.** Melk a Donau, Chiem, Austria p. 9, VERHOEFF Abh. preuss. Akad. Wiss. 1940.

Cylindroiulus luridus chiemensis **subsp. nov.** Ufer des Inn, Ruine Falkenstein, Oberdudorf, Austria p. 7 fig., VERHOEFF Abh. preuss. Akad. Wiss. 1940; *C. truncorum* new to Brazil p. 34, SCHUBART **462**.

Cynedesmus gen. redescribed p. 93; *C. formicola* redescribed p. 95 figs., SILVESTRI **484**.

Dendromonomeron lignivagum chiemense **subsp. nov.** ♂ Marchenwald, Chiem, Austria p. 4 figs., VERHOEFF Abh. preuss. Akad. Wiss. 1940.

Deltotaria nigrimontis **sp. nov.** ♂ Black Mountain, North Carolina p. 28 figs., CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Detodesmus attemsi new to Brazil p. 30, SCHUBART **462**.

Dixidesmus catskillus **sp. nov.** ♂ Catskill, New York p. 24 fig., CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Dixioria **gen. nov.** [Xystodesmidae] defined p. 28; genotype *D. dentifer* **sp. nov.** ♂ + ♀ Cranberry, North Carolina p. 28 fig., CHAMBERLIN Proc. Acad. nat. Sci. Philad. **99** 1947.

Dynoria parvior **sp. nov.** ♂ Neel Gap, Georgia p. 10 fig., CHAMBERLIN Proc. biol. Soc. Washington **60** 1947.

Gangugia **gen. nov.** [Leptodesmidae] defined p. 7 ; genotype *G. tapirapensis* **sp. nov.** ♂ . ♀ Barra do Tapirapé. Mato Grosso, Brazil p. 8 figs., SCHUBART Bol. Mus. nac. Rio **82** 1947.

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Hanseniella nivea distinction of sexes p. 178 fig., CHARDARD **110**.

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Development and affinities, TIEGS **533**.

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13. INSECTA

BY

THE COMMONWEALTH INSTITUTE OF ENTOMOLOGY

FOREWORD

THE attention of readers is directed to the fact that, beginning with Vol. **74** (1937), the systematic part of the Record is reserved only for information of purely taxonomic value. References to data on morphology, physiology, bionomics, ecology, distribution and other general problems must be looked for in the Subject Index, where they are arranged by orders under each heading. The classification of headings in the Subject Index has been revised in order to make the information more complete and readily available. It is hoped that this change will render the Record of more value for entomologists working on general problems, without affecting its importance for taxonomists.

Entomological papers written entirely from an economic point of view are omitted, but abstracts of these will be found in the *Review of Applied Entomology*.

Very brief papers, usually those dealing with a single species, are noticed either in the Subject Index or in the systematic part, but do not appear in the list of titles.

The writers of systematic papers are requested to mark new synonyms with the words (*n. syn.*), as otherwise it is impossible to ensure that they will be correctly recorded.

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China, **1507** ; *Calochromus* (Lycid.), revision, **1512** ; [MIWA & MITONO], Scaphidiidae, Japan and Formosa, list, Trans. n. H. Soc. Taiwan **33** 1943 pp. 548–551 ; OCHS, Gyrinids, Fukien, **2037** ; PAULIAN, Scarabaeids, French Indo-China, pt. 1, **2171** ; UHMANN, Hispinae, Fukien, **2840** ; VOSS, Curculionids, China, Japan, **2925** ; ZIA, Languriidae, China, catalogue, **3074A**.

Hymenoptera.—GINER MARÍ, *Cerceris* (Spheg.), Formosa, revision, **1010** ; SONAN, Oxybelidae (Spheg.), Formosa, **2582** ; Daito Is., Okinawa, **2585** ; *Ammophilina* (Spheg.), Formosa, **2586** ; YASUMATSU, Formicids, Hengan Prov., N. Manchuria, **3055** ; *Anoplius, Pseudagenia* (Pompil.), key, **3056**.

Lepidoptera.—DANIEL, Arctiidae, pts. 1 & 2, **660** ; FUKUSHIMA, Agrotids, Formosa, some records, **960** ; GLADMAN, butterflies, Arakan coast, **1029** ; HUANG, Lycaenidae, China, **1320** ; ITO, Psidopalini (Cymatoph.), Formosa, **1354** ; MELL, Amathusiidae, Satyridae, S. & S.E. China ; Cymatophoridae of Kuangtung, **1880** ; NOMURA, butterflies, Formosa, list of aberrant forms, **2008** ; SEVASTOPULO, Tukdah, Bengal, lists, **2502, 2503** ; SHIRÔZU, butterflies new to Manchuria, **2512** ; SONAN, *Atella phalanta* (Nymph.), *Ypthima argus* (Satyr.), new to Formosa, Trans. n. H. Soc. Formosa **31** 1941 p. 186 ; *Zephyrus* (Lycaen.), Formosa, **2583** ; Daito Is., Okinawa, **2585** ; WOODHOUSE, *Nacaduba* (Lycaen.), Ceylon, revision, **3034** ; WYNTER-BLYTH, butterflies, Simla, Nilgiris, additions to lists, **3050**. **3051**.

Neuroptera.—BANKS, Szechwan, **122**.

Diptera.—GALLIARD & NGU, Culicids, Tonkin, **973** ; HENNIG, Formosa, catalogue, **1242** ; JAMES, *Oplodontha* (Stratiom.), revision, **1368** ; LINDNER, Stratiomyiidae, Manchuria, **1728**; MANI, *Orseoliella* (Cecidom.), India, key, **1821** ; OKADA, *Culicoides* (Ceratop.) Formosa, **2050** ; *Alluarudomyia* (Ceratopog.), Formosa, revision, **2051**.

Hemiptera. — DRAKE, *Carinochelis determinatus* (Phymat.), new to Indo-China, **759** ; FREEMAN, *Dysdercus* (Pyrrhoc.), revision, **936** ; JACOBI, Homoptera, Manchuria, **1362** ; Auchenorhyncha, Fukien, **1363** ; MAA, Urostylidae, addenda to check list of China, Japan, Chosen, Siberia, **1772** ; TAKAHASHI, Coccids, Thailand, Indo-China, **2722** ; Sternorrhyncha, Daito Jim, Loochoo Is., **2725**.

Odonata.—CHIAO, of Kansu, **526** ; CHÛJÔ, Siam, Indo-China and Penang, **541**.

Dermaptera.—HINCKS, Burma, Swedish expedition 1934, **1278**.

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Coleoptera.—BENICK, *Hypostenus* sp. n. (Staph.), Philippines, **203** ; BERNHAUER, *Osorius* (Staph.), Philippines, revision, **233** ; BORCHMANN, *Zonitopsis* sp. n. (Meloid.), Philippines, **334** ; DE BREUNING, new Lamiids, Philippines, Celebes, **368, 369** ; CHEN, Halticinae genera, **514** ; CHEN & YOUNG, *Asiphytodecta* (Chrysom.), Indo-Malaya, key, **520** ; DIEKE, new Coccinellids, **726** ; HEINZE, *Pseudocerylon* sp. n. (Colyd.), Philippines, **1202** ; HELLER, *Piezonotus* (Curc.), key, **1220** ; KASZAB, Misolampinae (Tenebr.), revision, **1454** ; KORSCHEFSKY, *Sticholotis, Exochomus* spp. n. (Coccinell.), Philippines, **1561** ; KRIESCHE, *Doliops* sp. n. (Lam.), Philippines, **1584** ; OCHS, Gyrinidae, Sunda Is., **2036** ; PIC, *Abirus* sp. n. (Eumolph.), Philippines, **2212** ; SCHÜRHOFF, *Heterorrhina macleayi, Clinteria imperialis* subspp. n. (Ceton.), Philippines, **2478** ; THÉRY, *Haplotrinchus* sp. n. (Bupr.), Philippines, **2764** ; VOSS, Otiorrhynchinae (Curc.), **2913** ; new Curculionids, Philippines, **2929, 2930** ; WITTMER, Cantharidae, generic position, **3026**.

Hymenoptera.—GIORDANI SOIKA, new Eumenids, Philippines, **1016** ; LOHRMANN, *Bembix* spp. n., Philippines, **1751**.

Lepidoptera.—COLLENETTE, Lymantriids, Celebes, **571a** ; RAWLINS, some butterflies, Malaya, **2300** ; TOXOPEUS, *Nephele didyma* (Sphing.), in Java, Tijdschr. Ent. **88** p. 345.

Diptera.—BAISAS, new Culicids, Philippines, **98, 99** ; DANTIS, mosquitos of Manila, **665** ; FREY, new Celyphids (Sapromyz.), Philippines, **943** ; *Platypalpus* spp. n. (Empid.), Philippines, **944** ; new Syrphids, Philippines, **945** ; HENNIG, Sunda Is., **1232** ; HERING, Trypetidae, Sunda Expedition, 1927, **1251** ; JAMES, *Oplodontha* (Stratiom.), revision, **1368** ; KNIGHT, *Aëdes* spp. n.

(Culic.), Philippines, **1518**, **1519**; KNIGHT & ROZEBOOM, *Aëdes* spp. n. (Culic.), Philippines, **1520**; MENDOZA, *Anopheles* spp. n. (Culic.), Philippines, **1884**; SANDOSHAM, Malayan Anophelines, **2424**, **2425**.

Mallophaga.—EICHLER, Sumatra, **794**.

Isoptera.—AHMAD, new termites, Philippines, **20**.

Odonata.—LIEFTINCK, *Rhinocypha angusta* subsp. n., Philippines, **1712**.

Orthoptera.—BRUIJNING Blattidae, Celebes, **401**; GÜNTHER, *Haaniella* (Phasm.), Indo-Malaya, revision, **1114**; RAMME, Acridids, Indo-Malaya and neighbouring region, in particular Celebes, **2287**.

INDO-AUSTRALIAN REGION.

Coleoptera.—CHEN, Halticinae genera, **514**; KLEINE, *Calochromus* (Lycid.) revision, **1512**.

Hymenoptera. — BETREM, Scoliidae, races, **249**; GIORDANI SOIKA, *Pachymenes* (Vesp.), revision, **1021**.

Lepidoptera.—KIRCHBERG, Amathusiinae (Nymph.), **1495**.

Diptera.—HENNIG, Bibionids, **1230**; WHARTON, *Harpagomyia* (Culicid.), **2977**.

Hemiptera.—FREEMAN, *Dysdercus* (Pyrrhoc.), revision, **936**.

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Isoptera.—AHMAD, new spp., **20**.

BISMARCK ARCHIPELAGO.

Coleoptera.—BORCHMANN, *Steniselma* gen. et sp. n. (Meloid.), Gazelle Peninsula, **334**; DE BREUNING, *Sphingnotus insignis* var. n. (Lam.), Admiralty Is., **368**; new Lamiids, New Britain, **368**, **369**; KRIESCHE, *Dihammus* sp. n. (Lam.), New Britain, **1584**.

Lepidoptera.—CLARK, *Hypolimnas antilope*, *pithoeca* subspp. n. (Nymph.), Admiralty Is., **545**; FLETCHER, *Cosmoclostis* sp. n. (Pterophor.), **898**.

Orthoptera.—RAMME, new Acridids, **2287**.

LOUSIADE ARCHIPELAGO.

Coleoptera. — KRIESCHE, *Catapausa* sp. n. (Lamiid.), Rossel I., **1584**.

Lepidoptera. —FLETCHER, *Cosmoclostis* sp. n. (Pterophor.), **898**.

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Coleoptera.—DE BREUNING, new Lamiids, **368**, **369**; GILMOUR, *Olenecamptus* sp. n. (Lam.), Timor, **1004**; HELLER, *Piezonotus* spp. n. (Curc.), Aru, Larat, **1220**; KORSCHEFSKY, *Stictobura*, Buru, *Chilocorus* Key Is., spp. n. (Coccinell.), **1561**; THÉRY, *Metataenia* sp. n. (Bupr.), Halmaheira, **2764**; SCHÜRHOFF, *Clinteria imperialis* subsp. n. (Ceton.), Moa I., **2478**; VILLIERS, *Thallisellodes* sp. n. (Langur.), Ternate, **2901**.

Lepidoptera. — FLETCHER, *Cosmoclostis* sp. n. (Pterophor.), Amboina, **898**; WIND & CLENCH, *Philiris fulgens* subsp. n. (Lycaen.), Aru I., **3015**.

Hemiptera.—DRAKE, *Cantacader* sp. n. (Ting.), Larat, **760**.

Orthoptera.—BRUIJNING, Blattidae, **401**; RAMME, new Acridids, **2287**; WILLEMSE, *Phyllium* (Phasm.), Key Is., **2999**.

NEW GUINEA.

Coleoptera.—BOLLOW, *Stenelmis* sp. n. (Elmid.), **317**; BREUNING, new Lamiids, **368**, **369**; DIEKE, *Epilachna philippinensis* subsp. n. (Coccinell.), **726**; HEINZE, new Colydiids, **1200**, **1203**; HELLER, new Curculionids, **1221**; HINTON, new Tenebrionids, **1282a**; JOHN, *Microloma* sp. n. (Colyd.), **1403**; DE JONG, *Potemnemus* sp. n. (Lam.), **1422**; KLEINE, new Brenthids, **1505**; new Lycids, **1506**; KRIESCHE, *Lamprima adolphinae* subsp. n. (Lucan.), **1583**; MADER, *Coptengis* sp. n. (Erotyl.), **1796**; STRANEO, *Dalbertisia* sp. n. (Carab.), **2669**; THÉRY, *Cyphogastra* sp. n. (Buprest.), **2760**; VAN ZWALUWENBERG, *Compsolacon gracilis* var. n. (Elat.), **2874**; VILLIERS, *Microlanguria* sp. n. (Langur.), **2901**; VOSS, *Deporaus* sp. n. (Curc.), **2929**.

Hymenoptera.—DONISTHORPE, new Formicids, Ent. mon. Mag. **83** p. 172; and **748**, **748a**, **752**; GIORDANI SOIKA, new Vespids, **1016**, **1021**; MASI, *Parenaica* sp. n. (Chalc.), **1854**; SMITH, new Formicids, **2553**, **2554**.

Lepidoptera.—FLETCHER, *Cosmoclostis* spp. n. (Pterophor.), **898**; FUKUSHIMA, *Enispa* sp. n. (Agrot.), **961**; WIND & CLENCH, new Lycaenids, **3015**, **3016**.

Diptera.—ALEXANDER, new Tipulidae, **27**; HENNIG, *Xiria* spp. n. (Otit.), **1231**; HERING, Trypetids, I, II, **1247**;

KING & HOOGSTRAAL, new Culicids, **1491, 1494**; OLDROYD, Pangoniinae (except *Chrysops*) (Taban.), revision, **2061**; SABROSKY, *Pterodontia* sp. n. (Cyrt.), **2401**; STONE & PENN, *Culex* sp. n., **2649**; WHARTON, *Harpagomyia* sp. n. (Culicid.), **2977**.

Thysanoptera.—MOULTON, new spp., **1961**.

Hemiptera.—METCALF, *Myrilla obscura* var. n. (Fulgor.), **1899**.

Odonata.—LIEFTINCK, pt. VI, **1714**.

Orthoptera.—BRUIJNING, Blattidae, **401**; RAMME, new Acridids, **2287**.

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Coleoptera.—DE BREUNING, *Sphingnotus mirabilis* var. n. (Lam.), **368**; DIEKE, *Epilachna* sp. n. (Coccinell.), **726**; KORSCHEFSKY, *Coelophora* sp. n. (Coccinell.), Bougainville, **1561**; KRIESCHE, *Rosenbergia lactiflua* subsp. n. (Lam.), Bougainville, **1584**; THÉRY, new Buprestids, **2764**.

Lepidoptera. — FLETCHER, *Cosmoclostis* sp. n. (Pterophor.), **898**; ROUSSEAU-DECELLE, *Papilio victoria-regis* ff. n.; *meeki* new to fauna, **2381**.

Diptera.—CURRAN, Syrphids, Guadalcanal I., **644**; MARKS, *Aëdes* sp. n. (Culic.), **1833**; WHARTON, *Harpagomyia* sp. n. (Culicid.), **2977**.

Hemiptera.—EVANS, *Jassus* sp. n. **839**.

Orthoptera.—RAMME, new Acridids, **2287**.

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Coleoptera.—BANNINGER, Pamborini, Ozaenini, Carenina (Carab.), **124**.

Hymenoptera. — GIORDANI SOIKA, *Eumenes* (Vesp.), key, **1016**; RAYMENT, *Anthophora* (Apid.), revision of *zonata* group, **2304**.

Lepidoptera. — TURNER, Oecophoridae, revision, **2825**; Psychidae, revision, **2826**.

Diptera.—HARDY, *Calliphora*, **1149**.

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Hymenoptera.—PATE, Sapygidae, Tiphiidae, key to genn., **2142, 2150**.

Diptera.—FLOCH & ABONNENC, *Phlebotomus* (Psychod.), key, **902, 906**; JAMES, Leskiini (Tach.) **1369**; MELANDER, Hemerodromiinae (Empid.), revision, **1877**; PEREIRA BARRETTO & PESSÔA, *Phlebotomus* (Psychod.), distribution, **2194**.

Hemiptera.—FENNAH, Achilixiidae, revision, **867**; Dictyopharidae, **870**; PENNER, *Pentagramma* (Delphac.), key, **2184**; RUCKES, *Brochymena* (Pentat.), revision, **2387**; RUSSELL, *Aleuroparadoxus, Aleurotithius* (Aleurod.), revision, **2392**; WYGODZINSKY, *Stenolemus* (Reduv.), key, **3043**.

Mallophaga.—CARRIKER, *Menacanthus*, **478**.

NORTH AMERICA.

Insecta.—COLE, illustrated keys to immature forms (excl. of eggs, nymphs, pupae) of common orders and families of Tennessee, **565**.

Coleoptera. — ARNETT, *Rhinoplatia* (Oedem.), **73**; BARR & LINSLEY, *Melanophila* (*M.*) (Bupr.), Western N. America, **142**; BEAL & MASSEY, bark and ambrosia beetles (Scolytoid.), N. Carolina, **164**; BRADLEY, Bruchidae, N.E. America, revision, **354**; BUCHANAN, *Conotrachelus* (Curc.), on hickory, **410**; DAVIS, Ophryastini (Curc.), revision, **672**; FATTIG, Cerambycoids, Georgia, **862**; HOPPING, R. & G. R., *Cortodera* (Ceramb.), revision, **1309**; JAQUES & REDLINGER, Carabidae, Iowa, preliminary list, **1381**; JEWETT, Elaterid larvae, Kentucky, **1399**; KNOWLTON & WOOD, Utah, distribution, **1533**; LA RIVERS, *Edrotes* (Tenebr.), revision, **1634**; Carabinae, Nevada, annotated list, **1635**; LEECH, *Philonthus* (Staph.), Br. Columbia, **1655**; D'ORCHYMONT, *Helophorus* (Hydroph.), **2078**; PARK, *Batrisodes* (Pselaph.), particularly of spp. east of Rocky Mts., **2134**; RAY, Mordellidae, V, **2301**; SANDERSON, *Stilicolina* (Staph.), revision, **2422**; WOLCOTT, Cleridae, catalogue, **3028**.

Hymenoptera.—BANKS, *Cerceris* (Spheg.), western U.S.A., synopsis, **123**; DREISBACH, *Therion* (Ichn.), northeastern States, key, **761**; *Agapostemon, Augochlora, Augochlorella, Augochlorop-*

sis (Apid.), Michigan, **762**; MILLIRON, *Tumidiscapus* (Encyrt.), key, **1916**; PATE, *Arigorytes* (Spheg.), revision, **2145**; SCHUSTER, Sphaerophthalmine Mutillids, north of Mexico, revision, **2480**; SMITH, Formicidae, gen. & subgen. synopsis based on workers, **2549**; *Polyergus* (Formic.), revision based on workers, **2550**; *Cryptocerus* (Formic.), revision, **2552**; STRANDTMANN, *Philanthus* (Spheg.), revision, **2663**; TIMBERLAKE, *Exomalopsis* (Apid.), revision, **2784**; WALLEY, *Casinaria* (Ichn.), revision, **2944**; WEBER, *Myrmica* (Formic.), revision, **2960**.

Lepidoptera.—BUCKELL, Shuswap Lake District, Br. Columbia, list, **412**; CHERMOCK, *Euptychia* (*Cyllopsis*) (Satyr.), revision, U.S.A., **525**; FOXLEE, Heterocera, Br. Columbia, further records, **921**; FREEMAN, Hesperiids new to fauna, **935**; JERREL & JAQUES, Geometridae, Iowa, preliminary list, **1398**; MCGUFFIN, some Geometrids, Canada, key to larvae, **1788**; DOS PASSOS & GREY, *Speyeria* (Nymph.), catalogue, **2141**; STALLINGS & TURNER, Texas, **2616**.

Trichoptera.—DENNING, Hydroptilidae, **711**; ROSS, **2374**.

Neuroptera.—FROESCHNER, Missouri, keys, **955**.

Diptera.—BEQUAERT, recent and fossil Nemestrinidae, catalogue, **211**; BROMLEY, Asilids, Ohio, **385**, **386**; BROOKS, *Leschenaultia* (s.l.) (Tach.), revision, **387**; CHAGNON, *Acrocera steyskali* (Cyrt.), new to Canada, Canad. Ent. **79** p. 67; DODGE, mosquitos, 1st instar larvae, key, **741**; FATTIG, Asilidae, Tabanidae, Georgia, **860**, **861**; HARDY, Dorilaidae (Pipun.), additions to revision, **1145**; HARDY & MCGUIRE, *Ptiolina* (Rhagion.), revision, **1146**; HAUBER, *Tanytarsus* (Chiron.), Iowa, **1164**; HUCKETT, *Hylemyia* subgen. *Botanophila* (Musc.), revision, **1322**; JONES, house-flies, Utah, **1421**; LASKY, Culicids, Colorado, **1643**; PHILIP, Tabanids, catalogue, **2210**; PRITCHARD, Micromyini (Cecidom.), **2263**; PRITCHARD, SEABROOK & MULRENNAN, Culicids, Florida Keys, annotated list, **2264**; REDLINGER & JAQUES, Chloropidae, Iowa, list, **2310**; RINGDAHL, *Alloeostylus*, *Lasiops* (Musc.), keys, **2339**; ROSS, Culicidae, Illinois, revision, **2373**; WEATHERSBEE & ARNOLD, mosquitos, S. Carolina, **2957**.

Siphonaptera.—HUBBARD, western N. America, **1321**.

Hemiptera.—BARBER, *Nysius* (Lygaeid.), revision, **127**; DELONG & HERSCHBERGER, *Exitianus* (Jass.) (incl. Mexico), **692**; HEPNER, Scaphytopini (Jass.), revision, **1245**; HUTCHINSON, *Notonecta*, New England, key, **1336**; OSBORN & KNULL, Cicadellidae (Jass.), Ohio, list, **2085**.

Thysanoptera.—BLICKENSTAFF, Indiana, list, **299**; CRAWFORD, *Megalothrips*, key, **625**.

Psocoptera.—SOMMERMAN, *Lachesilla*, north of Mexico, revision, **2581**.

Plecoptera.—WALKER, S.E. Ohio, **2943**.

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Odonata.—SCOTT, Tippecanoe River State Park, Indiana, **2848**; WALKER, Northwest Territories, Newfoundland, lists, **2942**.

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Coleoptera.—JOHN, *Discoloma* sp. n., revision, **1409**; MARTÍNEZ, Coprinae, additions and corrigenda to Blackwelder's check list, **1847**; PARK, *Reichenbachia* (Pselaph.), 54th group, revision, **2133**.

Hymenoptera.—SMITH, *Apsychomyrmex* (Formic.), revision, **2556**.

Lepidoptera.—CHERMOCK, *Euptychia* (*Cyllopsis*) (Satyr.), revision, **525**.

Diptera.—ALEXANDER, Tipulids, Mexico, **25**; CRESSON, Notiphilinae, revision, **627**; DAMPF, *Phlebotomus* (Psychod.), Mexico, III, **658**; FAIRCHILD, Tabanids, Panama, **850**; FLOCH & CHASSIGNET, *Phlebotomus* (Psychod.), Fr. Guinea, XIX–XXI, **907**; GALINDO, *Anopheles xelajuensis* (Culic.), new to Panama, Pan-Pacif. Ent. **23** p. 44.

Hemiptera.—MAZZOTTI, *Triatoma protracta woodi* (Reduv.), new to Mexico, Rev. Inst. Salub. Enferm. trop. Mexico **8** p. 69; USINGER, *Cryphocricos* (Naucor.), revision, **2858**.

Thysanoptera.—MOULTON, *Diceratothrips princeps*, new to Mexico, **1960**.

Mallophaga.—CARRIKER, *Paragoniocotes*, Mexico, **477**.

Ephemeroptera.—TRAVER, Leptophlebiinae, Ephemeridae, revisions, **2816**.

Orthoptera.—ROBERTS, Melanoplini (Acrid.), Mexico, revision, **2349**.

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Insecta.—ANDUZE, PIFANO C. & VOGELSANG, blood-sucking, Venezuela, list, **61** ; WILLE, Peru, list of agricultural pests, **2997**.

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Anthia sulcata **var. n.** *notata*, **subsp. n.** *voltae* Upper Volta p. 17, BASILEWSKY Ark. Zool. **38A** no. 18.

Aphaenops (*A.*) *pluto* **subsp. n.** *hydrophilus* Pyrenees p. 23, GAUDIN Misc. ent. **42** 1945.—*A. rhadamanthus* **subspp. n.** *orientalis, bassieri, greffi, reboisi, coiffaitianus* p. 4; *rébérêti* **sp. n.**; *linderi* **subsp. n.** *labarthei* p. 5 Pyrenees, GAUDIN op. cit. **43.**

Apotomopterus vogtae **sp. n.** Siam p. 2 fig., BEHEIM & BREUNING Mitt. münchn. ent. Ges. **43** 1943.

Apotomus key to Mediterranean spp. p. 290; *angusticollis* **sp. n.** Canary Is.; *flavescens* **subsp. n.** *clypeonitens* Morocco p. 294, MÜLLER Mitt. münchn. ent. Ges. **33** 1943.

Argyrobracteon **subgen. n.** (type *argenteolum* Ahr.) see *Bembidion*.

Arsinoe biguttata **var. n.** *burgeoni* Belg. Congo p. 109, BASILEWSKY Bull. Soc. ent. Fr. **52.**

Aureoplataphus **subgen. n.** (type *aureofuscum* Bates) see *Bembidion*.

Bembidion distribution in E. Germany and Austria pp. 270–290, MEYER Mitt. münchn. ent. Ges. **33** 1943.—*B.* distribution in Europe p. 54, MEYER Zbl. Gesamtgeb. Ent. **2.**—*B.* (*Peryphus*) *sigma* **sp. n.** Amur p. 81; revision of Fenno-skandinavian spp. pp. 81–99 [contd.] figs., LINDROTH Notul. ent. **19** 1940.—*B.* (*Metallina*) *pygmaeum* **ab. n.** *dellabeffae* Italy p. 13, BURLINI Boll. Soc. ent. ital. **74** 1942.—*B.* keys to Palaearctic spp. **28** pp. 29–68 (1942), 69–124 (1943); **29** 1943 pp. 1–56; (*Cylindrobracteon* p. 37, *Litoreobracteon, Argyrobracteon, Conicibracteon, Stylobracteon, Foveobracteon* p. 38, *Desarmatocillenus* p. 39, *Peryphophila* p. 40, *Chinocillenus* p. 41, *Philochthemphanes* p. 43, *Hirmoplataphus, Aureoplataphus* p. 46, *Synechoperyphus* p. 48 **subgenn. n.**); (*Microserrullula*) *xanthoxanthum* Laos p. 48, (*F.*) *beringi* Kamtchatka p. 54, (*Chlorodium*) *elbursicum* N. Persia p. 59 **spp. n.**; (*Metallina*) *elevatum* **subsp. n.** *lamprosimile* Siberia p. 62 **28** 1942; (*Testedium*) *tectimundi* W. Pamirs p. 71, (*Notaphus*) *regismontium* Tian-Shan p. 72, (*Eupetedromus*) *dentelloides* Krasnojarsk p. 75 **spp. n.**; (*Emphanes*) *tenellum* **subspp. n.** *pseudoplaga* Astrakhan etc., *bucharíplaga* Bukhara p. 80; (*Plataphus*) *prasinum* **f. n.** *pfizenmayeri* Yakutsk; (*P.*) *persuasum* **subsp. n.** *jenseni* Siberia p. 106; (*Trichoplataphus*) *hysteron* China p. 110, (*Bembidionetolitzkya*) *meschniggi* Albania p. 113, (*B.*) *concoeruleum* Balkans, Asia Minor, etc. p. 114, (*B.*) *catharinae* Bergamask Alps p. 117 **spp. n.**; (*B.*) *geniculatum* **subsp. n.** *mamillatum* Caucasus p. 116; (*Euperyphus*) *combustum* **subsp. n.** *lugubriveste* Bukhara p. 124 **28** 1943; (*Peryphus*) *siculum* **subsp. n.** *winkleri* France p. 14; (*P.*) *eucheres*, (*P.*) *dyscheres* Centr. Asia p. 19 **spp. n.**; (*P.*) *poppii* **subsp. n.** *captivorum* Baikal Sea etc. p. 29; (*P.*) *hissaricum* **sp. n.** Bukhara p. 45 **29** 1943 figs., NETOLITZKY Koleopt. Rdsch.—*B.* (*Princidium*) *punctulatum* **subsp. n.** *obscuripes* Sicily p. 11; (*Peryphus*) *stolfai* **sp. n.** p. 12; (*Nepha*) *genei* **subsp. n.** *dissimile* p. 13 Italian Alps, MÜLLER Boll. Soc. ent. ital. **75** 1943.—*B.* (*Peryphus*) *nitidulum* genitalia of and key to group pp. 2, 8; (*P.*) *italicum* Italy **sp. n.** p. 8 figs., DE MONTE Boll. Soc. ent. ital. **75** 1943.—*B.* revision of Palaearctic spp. pp. 50–64, genitalia p. 50; (*Perigonium* **subgen. n.** p. 52); (*Notaphus*) *rumelicum* **subsp. n.** *dyrrhachii* Albania p. 52; (*Peryphus*) *weiratherianum* **subsp. n.** *cilicicum* Asia Minor p. 55; (*P.*) *dudichi* **subsp. n.** *tunetanum* Tunisia p. 57; (*Perigonium*) *sicilum* **subsp. n.** *rude* p. 58; (*Synecostictus*) *cribrum* **subsp. n.** *stenacrum* p. 63 Italy; (*Omoperyphus*) *steinbühleri* **subsp. n.** *gridellii* Cirenaica p. 59; (*Trepanes*) *maculatum* **subsp. n.** *atripenne* Sicily p. 63; (*Daniela*) *cavillatum* Italy p. 53, (*Omoperyphus*) *normandi* Tunisia p. 59 **spp. n.** figs., DE MONTE op. cit. **77.**—*B.* (*Diplocampa*) *clarkii* **subsp. n.**

magistretti Italy p. 79, DE MONTE Mem. Soc. ent. ital. **26**.—*B. dudichi* Cs. a distinct sp. and in subgen. *Peryphanes* p. 12 figs., FASSATI Acta Soc. ent. Čsl. **44**.—*B. justinae* N. Albania p. 91, *olympicum* Greece p. 94 **spp. n.** figs., MESCHNIGG Acta Soc. ent. Čsl. **44**.

Boeomimetes jeanneli **sp. n.** E. Africa p. 178 figs., BASILEWSKY Rev. franç. Ent. **13**.

Bohemania Putz. characters, notes on spp. p. 28 ; *africana* Putz., *brevilobis* Bat. from *Sparostes* p. 27, KULT Acta Soc. ent. Čsl. **44**.

Bothynoproctus portai **sp. n.** Paraguay p. 28, STRANEO Boll. Soc. ent. ital. **73** 1941.

Bothynoptera sticta p. 45, *malaisei* p. 46, **spp. n.** Burma figs., ANDREWES Ark. Zool. **38A** no. 20.

Brachynus crepitans **ab. n.** *morio* Italy p. 96, GAGLIARDI Mem. Soc. ent. ital. **20** 1941.—*B. somereni* **sp. n.** Kenya p. 74, BURGEON Bull. Ann. Soc. ent. Belg. **83**.—*B.* (*Brachynolomus*) *liebkei* **subsp. n.** *occidentalis* Spanish Sahara p. 134 figs., SANPERE Eos **23**.

Bradybaenus halli Somaliland, Abyssinia, Kenya p. 152, *cephalotes* S.W. Africa, Bechuanaland p. 154, *neavei* Nyasaland p. 155 **spp. n.** figs., BASILEWSKY Ann.Mag.n.H. (11) **13**. — *B. mauritanicus* **sp. n.** Mauritania, Senegal p. 177 fig., BASILEWSKY Rev. franç. Ent. **13**.

Bradycellus Erichs. plea for adding to Official List p. 245, ANDREWES Bull. zool. Nomencl. **1** ; p. 246, MARSHALL et al.

Caelostomus key to African subgenn. p. 70, (*Platyxythrius* **subgen. n.**, key to spp. p. 75) ; (*P.*) *usambarensis* p. 80, (*P.*) *jeanneli* p. 82 Tanganyika, (*Monodryxus* **subgen. n.** p. 88) ; (*C.*) *subquadricollis* Zanzibar p. 108, (*C.*) *thoracicus* p. 115, (*C.*) *pseudoparvus* p. 119 Belg. Congo, (*C.*) *miser* Fernando Po p. 122, (*C.*) *planulus* p. 131, (*C.*) *castanopterus* p. 133 Kenya, (*C.*) *malvernensis* Natal p. 132, (*Crenulostrigus* **subgen. n.** p. 141), (*C.*) *profundus* Gaboon p. 142, (*C.*) *palpalis* Fernando Po p. 143 **spp. n.** ; (*s. str.*) *striatocollis* **subsp. n.** *aethiopicus* p. 113 ; (*s. str.*) *subparallelus* **var. n.** *ukerewianus* p. 135 E. Africa ; (*s. str.*) *complanatus* **var. n.** *levistriatus* Principe I. p. 139 figs., STRANEO Mem. Soc. ent. ital. **21** 1942.—*C. depressiusculus* **sp. n.** E. Africa p. 495 ; *mocquerysi* **var. n.** *sinuatus* W. and C. Africa ; *laticollis* **var. n.** *kenyensis* Kenya p. 496, STRANEO Ann. Mag. n.H. (11) **13**.

Calathus erratus **ab. n.** *infuscatus* Italy p. 95, GAGLIARDI Mem. Soc. ent. ital. **20** 1941.

Callida caymanensis **sp. n.** Cayman Is. p. 210, DARLINGTON Ent. mon. Mag. **83**.

Calosoma (*Carabophanus*) *excellens* Abyssinia, (*Carabomorphus*) *rugolosum* Tanganyika p. 21, (*Blaptosoma*) *bulleri* p. 23 **spp. n.** ; (*B.*) *viridisulcatum* **r.n.** *viridilucens* p. 22 Mexico figs., BEHEIM & BREUNING Mitt. münchn. ent. Ges. **33** 1943.

Camptoscelis hottentotus Ol. (=*Cophosomorpha diversus* Pér.) p. 29, STRANEO Boll. Soc. ent. ital. **75** 1943.

Carabus L. plea for adding to Official List p. 247, ANDREWES Bull. zool. Nomencl. **1** ; p. 248, MARSHALL et al.—*C.* distribution of some spp. in Germany pp. 13–16 figs., PAPP Additam. faun. Col. **4** 1946.—*C.* catalogue of spp. in Mus. Inst. La Salle pp. 57–62 (1946), 313–318 (1947) figs., APOLINAR MARIA Rev. Acad. colomb. **7**. — *C. violaceus, purpurascens* valid spp. p. 152, HENSELER Ent. Bl. **36** 1940.—*C. violaceus* **var. n.** *betuliae* Hungary p. 916, CSIKI Math. term. Ert. **59** 1940.—*C. violaceus* **var. n.** *balanensis* ; *arcensis* **var. n.** *csikensis* Transylvania p. 709, CSIKI op. cit. **61** 1942.—*C.* (*Sellaecarabus* **subgen. n.** p. 26) ; *olympiae* larva p. 72 figs., STURANI Boll. Ist. Ent. Bologna **16**. — *C. nemoralis* **f.n.** *nicollei* France p. 214, BOURGIN L'Entomologiste **3**.—*C.* (*Apotomopterus*) *clermontianus* ♂ ; *hypsobius* a var. of *cancellatus* ; (*Trachycarabus*) *elbursenis* **sp. n.** Persia p. 25 ; (*Chrysocarabus*) *auronitens* subsp. *escheri* **abb. n.** *pseudoputzeysi* Rumania, *cyaneipennis* Russian Carpathians p. 26, DE BREUNING Misc. ent. **43**.

Carbanus lautus **sp. n.** Burma p. 16 fig., ANDREWES Ark. Zool. **38A** no. 20.

Ceroglossus explanatus locality unknown p. 24, *intermedius* Chile p. 25 **spp. n.** figs., BEHEIM & BREUNING Mitt. münchn. ent. Ges. **33** 1943.

Chinocillenus **subgen. n.** (type *sinicus* Andr.) see *Bembidion*.

Chlaenius key to Italian subgenn. p. 165 figs., BOLDORI Boll. Soc. ent.

ital. **72** 1940. — *C.* (*Pachydinodes*) *nubilus* p. 17, (*P.*) *orestes* p. 18 **spp. n.** Madagascar, JEDLIČKA Acta Soc. ent. Čsl. **44.**—*C.* (*Rhysotrachelus*) *eugrammus* **sp. n.** Haut Chari; (*Callistoides*) *sassanus* **subsp. n.** *gabonicus* Gaboon p. 108, BASILEWSKY Bull. Soc. ent. Fr. **52.**—*C.* (*C.*) *meruensis* **sp. n.** E. Africa p. 15, BASILEWSKY Ark. Zool. **38A** no. 18.

Clivina (*Paraclivina, Semiclivina* **subgenn. n.** p. 31); (*C.*) *alluaudi* Madagascar p. 32, (*S.*) *urophthalmoides* p. 34, (*P.*) *fassatii* (with **abb. n.** *reductemaculata, rufoferruginea, aethiops*) p. 35 Brazil **spp. n.**, KULT Acta Soc. ent. Čsl. **44.**—*C. svenssoni* **sp. n.** Gambia p. 2, BASILEWSKY Ark. Zool. **38A** no. 18.—*C. grandis* see *Pseudoclivina.*

Colliurus tetrastigma **subsp. n.** *caymanensis* Cayman Is. p. 211, DARLINGTON Ent. mon. Mag. **83.**

Colpodes membrosus, rupex p. 29, *nyctobius* p. 30, *lucens, vivax* p. 31, *macropus, ferus* p. 32, *chlorodes* p. 33, *subviridis, phengodes* p. 34, *modestus, obesus* p. 35, *levator* p. 36, *sarcodes, tetricus* p. 37, *crassus, foveatus* p. 38, *mobilis* p. 39, *fulgidus, edax, flavicornis* p. 40, *infirmus, leurus* p. 41 **spp. n.** Burma figs., ANDREWES Ark. Zool. **38A** no. 20.

Conicibracteon **subgen. n.** (type *stenoderum* Bates) see *Bembidion.*

Cophosomorpha revision of African spp. pp. 5–28, keys to subgenn. & spp. p. 10; (*C.*) *vansoni* p. 15, (*C.*) *arnoldi* p. 19, (*C.*) *brittoni* p. 21, (*C.*) *longelytrata* p. 22, (*C.*) *rufina* p. 23, (*C.*) *sagittalis*, (*C.*) *recticollis* p. 25, (*C.*) *angustula* p. 26 **spp. n.** S. Africa figs., STRANEO Mem. Soc. ent. ital. **19** 1940.—*C. angulicollis* **sp. n.** S. Africa p. 29, STRANEO Boll. Soc. ent. ital. **75** 1943.—*C. diversus* see *Camptoscelis hottentotus.*

Cosmodiscus latus **sp. n.** S. Shan States p. 23 fig., ANDREWES Ark. Zool. **38A** no. 20.

Cratognathus alluaudi **sp. n.** Kenya p. 180 figs., BASILEWSKY Rev. franç. Ent. **13.**

Crenulostrigus **subgen. n.** (type *profundus* Stran.) see *Caelostomus.*

Cychrus roeschkei **subsp. n.** *pratti* China p. 24, DE BREUNING Misc. ent. **43.**

Cylindrobracteon **subgen. n.** (type *fusiforme* Net.) see *Bembidion.*

Cyrtotelus minimus **sp. n.** Natal p. 497, STRANEO Ann. Mag. n.H. (11) **13.**

Dalbertisia major **sp. n.** New Guinea p. 12; *lucidula* further description p. 13, STRANEO Boll. Soc. ent. ital. **74** 1942.

Demetrias monostigma **ab. n.** *immaculata* Heligoland p. 64, DIETZE Ent. Bl. **36** 1940.

Desarmatocillenus **subgen. n.** (type *yokohamae* Bats.) see *Bembidion.*

Dichaetochilus **gen. n.** for *Anisodactylus aeruginosus* Dej. (type) p. 7; *rudebecki* **sp. n.** Gambia p. 8, BASILEWSKY Ark. Zool. **38A** no. 18.—*D. planicollis* **subsp. n.** *gabonicus* Gaboon, Belg. Congo p. 168; *obtusus* Togoland, Sierra Leone, *jeanneli* Fr. Sudan p. 169, *discrepans* Tanganyika p. 170, *chevalieri* W. Centr. Africa p. 171 **spp. n.** figs., BASILEWSKY Rev. franç. Ent. **13.**—*D. brittoni* Tanganyika, Abyssinia p. 145, *angolanus* Angola p. 147 **spp. n.** figs., BASILEWSKY Ann. Mag. n.H. (11) **13.**

Dichirotrichus lacustris **subsp. n.** *maurae* Venice p. 65; key to Italian and European spp. p. 66, GRIDELLI Mem. Soc. ent. ital. **23** 1944.

Dischissus repertus **sp. n.** Zanzibar p. 107, BASILEWSKY Bull. Soc. ent. Fr. **52.**

Dromius Sam. proposal about genotype p. 252, ANDREWES Bull. zool. Nomencl. **1.**—*D.* key to allied genn. of E. Asia p. 19, JEDLIČKA Acta Soc. ent. Čsl. **44.**—*D. macer* **sp. n.** Burma p. 45 fig., ANDREWES Ark. Zool. **38A** no. 20.—*D.* (*Manadromius*) *saharensis* **sp. n.** Spanish Sahara p. 129 fig., SANPERE Eos **23.**

Duvalius kanabéi **sp. n.** Hungary p. 916, CSIKI Math. term. Ert. **59** 1940.

Egadroma marshalli (also Mashonaland) p. 162, *dollmanni* p. 164 **spp. n.** N.W. Rhodesia figs., BASILEWSKY Ann.Mag.n.H. (11) **13.**

Elaphrus lheritieri **sp. n.** Morocco p. 27, ANTOINE Bull. Soc. ent. Fr. **52.**

Eucalathus illustris **sp. n.** Burma p. 24 fig., ANDREWES Ark. Zool. **38A** no. 20.

Eucarabus canaliculatus **subsp. n.** *rufinus* p. 4; *vogti, vogtianus* p. 5 Korea, *cecileae* Yunnan p. 7 **spp. n.** (B. & B.); *henningi* **f.n.** *oriformis* (BREUNING) Siberia p. 8; *parreyssi* **subsp. n.** *tippmannianus* (BREUNING) Jugoslavia; *rufocupreus* **sp. n.** (BREUNING) E. Siberia p. 9 figs., BEHEIM & BREUNING Mitt. münchn. ent. Ges. **33** 1943.

Feronia (*Myosodus*) *stöckleini* **sp. n.** Caucasus p. 146, STRANEO Mitt. münchn. ent. Ges. **31** 1941.—*F. semirugosa* p. 21, *kambaiti* p. 22, **spp. n.** Burma figs., ANDREWES Ark. Zool. **38A** no. 20.—See *Pterostichus*.

Foveobracteon **subgen. n.** (type *foveum* Mots.) see *Bembidion*.

Geodromus dumolini further description p. 208 fig., BASILEWSKY Bull. Ann. Soc. ent. Belg. **83**.

Geotrechus jeanneli **subspp. n.** *hypogeus, renaudeti* p. 2; *orpheus* **subsp. n.** *montis-salini*; *trophonius* **subspp. n.** *néqrei, spinicollis* p. 3; *orcinus* **subsp. n.** *menviellei* p. 4 Pyrenees, GAUDIN Misc. ent. **43**.

Gynandromorphus etruscus **ab. n.** *luteus* Italy p. 94, GAGLIARDI Mem. Soc. ent. ital. **20** 1941.

Haptoderus kadjaranze **sp. n.** Armenia p. 16, JEDLIČKA Acta Soc. ent. Čsl. **44**.—*H.* of Pyrenees pp. 105–118; key to spp. of subgen. *Pyreneorites* p. 109; (*P.*) *legrosi* **sp. n.** p. 112; (*P.*) *pusillus* **subspp. n.** *sinuatus* p. 111, *dentatus, acutangulus* p. 112; (*P.*) *parvulus* **subsp. n.** *giraudi* p. 113; (*P.*) *amoenus* **subspp. n.** *mascaraux, pécoudi, barthei* p. 114, *tempèrei* p. 115; (*P.*) *champenoisi* **subsp. n.** *estarragnensis* p. 117; (*P.*) *glacialis* **subspp. n.** *obtusus, doderoi* p. 118 Pyrenees; (*H.*) *pumilio* **f.n.** *nevadensis* Spain p. 107 figs., JEANNEL Rev. franç. Ent. **14**.

Harpalus Latr. plea for adding to Official List p. 249, ANDREWES Bull. zool. Nomencl. **1**; p. 250, MARSHALL et al.—*H.* characters p. 62, KULT Ent. Listy Brno **9** 1946.—*H. voltae* **sp. n.** Upper Volta p. 9, BASILEWSKY Ark. Zool. **38A** no. 18.—*H. birmanus* **sp. n.** Burma p. 14 figs., ANDREWES Ark. Zool. **38A** no. 20.—*H. asemus* Kenya, Tanganyika p. 181, *jeanneli* p. 182, *gilgil* Kenya, *subphaedrus* S.W. Africa p. 184 **spp. n.** figs., BASILEWSKY Rev. franç. Ent. **13**.—*H. nyassicus* Nyasaland p. 158, *meteorus* p. 160, *somereni* p. 161 **spp. n.** Kenya, BASILEWSKY Ann. Mag.n.H. (11) **13**.—*H. voltae* see *Afromizonus*.

Harpathaumas **gen. n.** p. 200, *priscus* **sp. n.** E. Africa p. 201, BASILEWSKY Bull. Ann. Soc. ent. Belg. **83**.

Hiletus spiniger **sp. n.** Tenasserim p. 13 figs., ANDREWES Ark. Zool. **38A** no. 20.

Hirmoplataphus **subgen. n.** see *Bembidion*.

Hirpastolus **gen. n.** p. 202, *maynéi* **sp. n.** Ivory Coast p. 203 figs., BASILEWSKY Bull. Ann. Soc. ent. Belg. **83**.

Hydraphaenops elegans, coffaiti **spp. n.** p. 20; *ehlersi* **subsp. n.** *fourési* p. 22 Pyrenees fig., GAUDIN Misc. ent. **42** 1945.—*H. pandellei* **subspp. n.** *abadiei* p. 5, *blancheti, ouzoumensis, mariaea* p. 6, *mallarodensis, gracilis* p. 7 Pyrenees, GAUDIN op. cit. **43**.

Hyparpalus ugandanus **sp. n.** Uganda p. 148 fig., BASILEWSKY Ann. Mag.n.H. (11) **13**.—*H. gracilis* **sp. n.** S. Shan States p. 13 figs., ANDREWES Ark. Zool. **38A** no. 20.—*H. deplanatus* **sp. n.** Moyen Chari p. 173, BASILEWSKY Rev. franç. Ent. **13**.

Hystrichopus angolensis **sp. n.** Angola p. 165, BASILEWSKY Arb. morph. taxon. Ent. Berl. **9** 1942.

Isiocarabus orphniopterus **r.n.** *klapperichi* China p. 4 fig., BEHEIM & BREUNING Mitt. münchn. ent. Ges. **33** 1943.

Kosswigia **gen. n.** p. 83, *insularis* **sp. n.** Anatolia p. 85, JEANNEL Rev. Fac. Sci. Univ. Istanbul **12B**.

Laemostenus insubricus Gangl. a subsp. of *schreibersi* Küst.; *s.* **subsp. n.** *lombardus* Italy p. 148 figs., BARAJON Boll. Soc. ent. ital. **73** 1941.

Lebia Latr. plea for adding to Official List p. 251, ANDREWES Bull. zool. Nomencl. **1**; p. 253, MARSHALL et al.—*L.* (*Nematopeza*) *andreinii* **sp. n.** Eritrea p. 99, STRANEO Mem. Soc. ent. ital. **22** 1943. — *L. erythreensis* **sp. n.** Eritrea p. 109, BASILEWSKY Bull. Soc. ent. Fr. **52**.—*L. exilis* p. 48, *chalcoma* p. 49 **spp. n.** Burma figs., ANDREWES Ark. Zool. **38A** no. 20.

Lebidromius key to Asiatic spp.; *kulti* **sp. n.** China p. 20 figs., JEDLIČKA Acta Soc. ent. Čsl. **44**.—*L. aleši* see *Obodromius*.

Leuropus **gen. n.** p. 43, *rubellus* **sp. n.** Tenasserim p. 44 fig., ANDREWES Ark. Zool. **38A** no. 20.

Lianoe microphtalmus **subsp. n.** *coiffaiti* p. 7, *abadiei*, *sardingi* p. 8 ; *pécoudianus* **sp. n.** p. 9 Pyrenees, GAUDIN Misc. ent. **43.**

Litoreobracteon **subgen. n.** (type *litorale* Ol.) see *Bembidion.*

Lobodontus sachtlebeni **sp. n.** Cameroons p. 164 fig., BASILEWSKY Arb. morph. taxon. Ent. Berl. **9** 1942.

Loricera pilicornis **subsp. n.** *apennina* Italy p. 135 figs., BINAGHI Boll. Soc. ent. ital. **74** 1942.

Megodontus exaratus **subsp. n.** *exaratulus* Kuban p. 19 fig., BEHEIM & BREUNING Mitt. münchn. ent. Ges. **33** 1943.

Meropalpus azurescens **sp. n.** Brazil p. 27, STRANEO Boll. Soc. ent. ital. **75** 1943.

Metaxenus latithorax **sp. n.** Port. Guinea p. 31, STRANEO t.c.

Microschemus grandis **sp. n.** Upper Volta p. 16, BASILEWSKY Ark. Zool. **38A** no. 18.

Monodryxus **subgen. n.** (type *crassus* Stran.) see *Caelostomus.*

Mystropomus regularis **sp. n.** Queensland p. 658, BÄNNINGER Mitt. münchn. ent. Ges. **33** 1943.

Neosiopelus babaulti **sp. n.** p. 174 ; *punctatellus* **subsp. n.** *ruandanus* p. 175 Belg. Congo fig., BASILEWSKY Rev. franç. Ent. **13.**—*N. brittoni* **sp. n.** Mashonaland p. 150 fig., BASILEWSKY Ann. Mag. n.H. (11) **13.**

Neritola **n.n.** for *Wagneria* Jedl. nec R.-D. p. 392, STRAND Folia zool. hydrobiol. **11** 1942.

Novillidius marginellus **sp. n.** Cameroons p. 30, STRANEO Boll. Soc. ent. ital. **75** 1943.

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Astenus notes on French spp. p. 58, MÉQUIGNON Bull. Soc. ent. Fr. **52.**—*A. distinctus* **sp. n.** Mauritius p. 114, CAMERON Proc. R. ent. Soc. Lond. (B) **16.**

Atheta diversa Shp. (=*dlouholuckai* Roub.) p. 92, WÜSTHOFF Ent. Bl. **36** 1940.—*A.* (*Microdota*) *lacajana* p. 160, (*Philhygra*) *glabricollis* p. 161 **spp. n.** Costa Rica, BERNHAUER Arb. morph. taxon. Ent. Berl. **7** 1940.—*A. alocono-toides* p. 180, *gravigranulata, alpina* p. 181, *cellaria* p. 182, *gracilicollis* p. 183, *pfaundleri* p. 184, *crebrepunctata* p. 185,

transitoria p. 186 **spp. n.** Austria figs., BENICK Ent. Bl. **36** 1940.—*A. mediterranea* Greece p. 184, *sparsicollis* p. 186, *corsica* p. 189 Corsica, *persica* Persia p. 187, *tschitschantanensis* Bokhara p. 191, *spinifera* Baikal p. 193, *tunetica* Algeria, Tunis p. 195 **spp. n.**, BENICK Mitt. münchn. ent. Ges. **31** 1941.—*A.* (*Anopleta*) *magnipennis* p. 184, (s. str.) *kubotai* p. 185 Japan, (*Homoiocalea* **subgen. n.**) *toroenensis* Formosa p. 186 **spp. n.**, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.—*A.* (*Metaxya*) *semipallidula* p. 174, (*Ceritaxa*) *splendidicollis*, (*A.*) *pseudocoriaria* p. 175, (*Datomicra*) *muggeridgei* p. 176 **spp. n.** New Zealand, BERNHAUER Folia zool. hydrobiol. **12** 1943.—*A.* revision of Palaearctic spp. of subgen. *Hydrosmectina* pp. 109–128, key p. 111; *pyrenaea* Pyrenees p. 117, *perpusilla* Carinthia, etc. p. 118, *vodozi* Corsica p. 119, *sardoa* p. 120, *subtilicornis* p. 124 Sardinia, *sinuatomarginata* Austria p. 121, *bulgarica* Bulgaria p. 123, *quadraticeps* Bosnia p. 125, *panaroensis* Italy p. 126 **spp. n.** figs., SCHEERPELTZ Koleopt. Rdsch. **29** 1944.—*A.* revision of Palaearctic spp. of subgen. *Hydrosmecta* pp. 15–36, key p. 16; *gessoensis* p. 27, *valdieriana* p. 21 Maritime Alps, *gracillima* p. 28, *bavarica* p. 35 Germany, *carinthiaca* p. 29, *pseudofragilis* p. 30 Carinthia, *lessinica* Venezia Tridentina p. 34, *bohiniensis* Julian Alps p. 32 **spp. n.** figs., SCHEERPELTZ op. cit. **30** 1944.—*A.* Thoms. (= *Megista* Muls. & Rey) p. 103; (*Pseudhygroecia* p. 104, *Parametaxya* p. 106 **subgenn. n.**); (*P.*) *jarrigei* **sp. n.** Kenya p. 108 figs., JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.—*A.* (*Parameotica*) *antipodum* **sp. n.** New Zealand p. 709, CAMERON Ann. Mag. n.H. (11) **13**.—*A. parasita, angusta* see *Coprothassa*.

Autalia longicornis **sp. n.** Austria, England, Holland, etc. p. 104; key to Palaearctic spp. p. 106 figs., SCHEERPELTZ Ent. mon. Mag. **83**.

Bledius (*Blediodes*) *minarzianus* **sp. n.** Urals p. 74, BERNHAUER Koleopt. Rdsch. **29** 1943.—*B.* (*Blediodes*) *salinus* **sp. n.** New Zealand p. 704, CAMERON Ann. Mag. n.H. (11) **13**.

Bolitobius (*Lordithon*) *kawamurai* **sp. n.** Formosa p. 182, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.

Brachida minuta **sp. n.** New Zealand p. 36, BERNHAUER Folia zool. hydrobiol. **11** 1941.

Brachyusa minor **sp. n.** Mauritius p. 118, CAMERON Proc. R. ent. Soc. Lond. (B) **16**.

Brouniellum characters p. 701; *zealandicum* **sp. n.** New Zealand p. 702, CAMERON Ann. Mag. n. H. (11) **13**.

Cafius zealandicus **sp. n.** New Zealand p. 705, CAMERON t.c.

Calodera glabra, rhopalicornis p. 177, *strandi* p. 178, (*Pentaulacodera* **subgen. n.**) *grandipennis* p. 179, (*Triaulacodera* **subgen. n.**) *minima* p. 180, **spp. n.** New Zealand, BERNHAUER Folia zool. hydrobiol. **12** 1943.

Colonia see *Lonia*.

Conosoma dubium **sp. n.** Costa Rica p. 158, BERNHAUER Arb. morph. taxon. Ent. Berl. **7** 1940.—*C. helmsi, basipenne* p. 33, *zealandicum, convexum* p. 34 **spp. n.** New Zealand, BERNHAUER Folia zool. hydrobiol. **11** 1941.—*C. fraternum, separatum* (with **var. n.** *aberrans*) p. 116, *alienum* p. 117 **spp. n.** Mauritius, CAMERON Proc. R. ent. Soc. Lond. (B) **16**.

Coprothassa (*C.*) *parasita* Bern. p. 98, (*C.*) *angusta* Bern. from *Atheta* p. 101 figs., JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.

Coryphium key to French spp.; *levasseuri* **sp. n.** France p. 45, JARRIGE Bull. Soc. ent. Fr. **52**.

Cryptobium morosum **sp. n.** Mauritius p. 115, CAMERON Proc. R. ent. Soc. Lond. (B) **16**.

Dasytricheta **gen. n.** (Myrmedoninae) p. 171, *spectabilis* **sp. n.** New Zealand p. 172, BERNHAUER Folia zool. hydrobiol. **12** 1943.

Dianous klapperichi **sp. n.** E. China p. 76 figs., BENICK Stettin. ent. Ztg. **103** 1942.

Doryloxenus punicus further description p. 24 figs., NORMAND Bull. Soc. H.n. Afr. N. **37**.—*D. myrmidon* see *Lydorus*.

Eucibdelus sauteri **sp. n.** Formosa p. 180, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.

Eudera granulata **sp. n.** Costa Rica p. 159, BERNHAUER Arb. morph. taxon. Ent. Berl. **7** 1940.

Falagria costaricensis **sp. n.** Costa Rica p. 159, BERNHAUER t.c.

Geodromicus maderi p. 72, *szechwanensis* p. 73 **spp. n.** China, BERNHAUER Koleopt. Rdsch. **29** 1943.

Gyrophaena glabricollis **sp. n.** New Zealand p. 37, BERNHAUER Folia zool. hydrobiol. **11** 1941.—*G.* (*G.*) *brookesi* **sp. n.** New Zealand p. 709, CAMERON Ann. Mag. n.H. (11) **13.**

Habrocerus capillaricornis genitalia p. 18 figs., NORMAND L'Entomologiste **3.**

Heterota vinsoni **sp. n.** Mauritius p. 118, CAMERON Proc. R. ent. Soc. Lond. (B) **16.**

Homoiocalea **subgen. n.** (type *toroenensis* sp. n.) see *Atheta.*

Hypostenus speculus **sp. n.** Luzon p. 250, BENICK Mitt. münchn. ent. Ges. **31** 1941.

Ischnoderus opaciceps **sp. n.** New Zealand p. 703, CAMERON Ann. Mag. n.H. (11) **13.**

Lathrobium (*Lobrathium*) *zavattarii*, (*L.*) *abyssinum* **spp. n.** Abyssinia p. 53, CAMERON Atti Mus. Stor. nat. Trieste **16.**

Leptacinus pholeobius **sp. n.** Kenya p. 76, larva p. 77 figs., JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.

Leptusa (*L.*) *curiosa* p. 37, (*Pasilia*) *helmsi* p. 38 **spp. n.** New Zealand, BERNHAUER Folia zool. hydrobiol. **11** 1941.—*L.* (*L.*) *minuta* **sp. n.** Mauritius p. 117, CAMERON Proc. R. ent. Soc. Lond. (B) **16.**

Lispinus specialis **sp. n.** Mauritius p. 114, CAMERON t.c.

Lissodiscus habilis Fr. Guinea p. 132, *quaerens* Senegambia p. 134 **spp. n.** figs., SILVESTRI Arch. zool. ital. **31.**

Lonia **n. n.** for *Colonia* Oll. nec Gray p. 96, STRAND Folia zool. hydrobiol. **12** 1943.

Lydorus **gen. n.** for *Doryloxenus myrmidon* Norm. p. 27 figs., NORMAND Bull. Soc. H.n. Afr. N. **37.**

Maresia **gen. n.** (nr. *Anebolura*) *grossepunctata* **sp. n.** Mauritius p. 117, CAMERON Proc. R. ent. Soc. Lond. (B) **16.**

Medon (*M.*) *vinsoni* **sp. n.** Mauritius p. 115, CAMERON t.c.—*M. microps* **sp. n.** New Zealand p. 704, CAMERON Ann. Mag. n.H. (11) **13.**

Megalopsidia (*M.*) *fulvofasciata* **sp. n.** Venezuela p. 328, BENICK Arb. morph. taxon. Ent. Berl. **7** 1940.—*M. punctcollis* Costa Rica p. 140, (*M.*) *soror* Brazil p. 142 **spp. n.**, BENICK op. cit. **9** 1942.

Megista see *Atheta.*

Mitomorphus formosae **sp. n.** Formosa p. 75, BERNHAUER Koleopt. Rdsch. **29** 1943.

Mycetoporus (*Ischnosoma*) *maderi* **sp. n.** Yunnan p. 76, BERNHAUER t.c.

Mycota see *Xenota.*

Myllaena magnicollis **sp. n.** New Zealand p. 707, CAMERON Ann. Mag. n.H. (11) **13.**

Myrmecopora (*Xenusa*) *paradoxa* **sp. n.** New Zealand p. 170, BERNHAUER Folia zool. hydrobiol. **12** 1943.

Nodynus characters distinguishing from *Apatetica* discussed pp. 2–6; *rubrofasciatus* p. 11, *unicolor* p. 13, *silphoides* p. 14 **spp. n.** Burma figs., JANSSON Ark. Zool. **38A** no. 19.

Ocyusa brouni p. 180, *brouniana* p. 181, **spp. n.** New Zealand, BERNHAUER Folia zool. hydrobiol. **12** 1943.

Oligota zealandica **sp. n.** New Zealand p. 36, BERNHAUER op. cit. **11** 1941.

Omalium mesopotamicum Mesopotamia p. 71, *holtzi* Morea p. 72 **spp. n.**, BERNHAUER Koleopt. Rdsch. **29** 1943. —*O. brookesi* **sp. n.** New Zealand p. 701, CAMERON Ann. Mag. n.H. (11) **13.**

Osorius revision of Philippine spp. pp. 215–232; *unicornis*, *unispinosus* p.216, *lucifer*, *wendeleri* p. 217, *belzebub*, *mephistopheles*, *bistriatus* p. 218, *infernus tuberifrons*, *diabolicus* p. 219, *satanas*, *interruptus* p. 220, *basipennis*, *nefandus* p. 221, *daemonicus*, *strandi*, *impressiceps* p. 222, *samarensis*, *luzonicus*, *boettcheri*, *brunneipennis* p. 223, *rubripennis* p. 224, *biimpressus*, *palawanensis*, *sibuyanensis*, *imuganensis* p. 225, *laevissimus*, *minutior* p. 226, *bacillus*, *spectabilis* p. 227, *bangoensis*, *tenuistrigosus*, *ganglbaueri* p. 228, *opacipennis*, *scheerpeltzi* p. 229, *parciventris*, *fissicollis* p. 230, *sublaevicollis*, *insularum* p. 231, *amicus* p. 232 Philippines, *alutiventris* Borneo p. 231 **spp. n.**, BERNHAUER Folia zool. hydrobiol. **11** 1942.

Oxypoda (*Podoxya*) *zealandica* **sp. n.** New Zealand p. 181, BERNHAUER op. cit. **12** 1943.—*O. bicolor* **ab. n.** *brunneicolor* Carpathians pp. 116, 130, ROUBAL Věstn. ceskosl. zool. Společ. Praze **8** 1940.—*O.* (*Parapodoxya* **subgen. n.** p. 96) figs., JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.

Oxyporus trisulcatus **sp. n.** Formosa p. 173, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.

Paederus alutithorax **sp. n.** Formosa p. 176, BERNHAUER t.c.—*P. litoralis* larva p. 184; key to spp. p. 188 figs., GERINI Mem. Soc. ent. ital. **20** 1941.—*P. melampus* redescription p. 5 figs., PUJATTI Mem. Soc. ent. ital. **26**.—*P. melanopus* Guatemala, *paraguayanus* Paraguay p. 102, *bicolor* Venezuela p. 103 **spp. n.**, WENDELER Arb. morph. taxon. Ent. Berl. **9** 1942.—*P. rubidus* **sp. n.** Mauritius p. 114, CAMERON Proc. R. ent. Soc. Lond. (B) **16**.

Palaminus montanus **sp. n.** Mauritius p. 114, CAMERON t.c.—*P. spiniventris* **sp. n.** Formosa p. 175, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.

Paraconosoma **gen. n.** (Pygosteninae) p. 35, *naviculare* **sp. n.** New Zealand p. 36, BERNHAUER Folia zool. hydrobiol. **11** 1941.

Parametaxya **subgen. n.** (type *janneliana* Bern.) see *Atheta*.

Parapodoxya **subgen. n.** (type *janneliana* Bern.) see *Oxypoda*.

Parastilicus **subgen n.** (type *nidicola* Bern.) see *Stilicus*.

Paroligota mouth-parts; *masculina* **sp. n.** New Zealand p. 708, CAMERON Ann. Mag. n.H. (11) **13**.

Pentaulacodera **subgen. n.** (type *grandipennis* **sp. n.**) see *Calodera*.

Philonthus some Br. Columbian spp. pp. 23–24, LEECH Proc. ent. Soc. Br. Columbia **43**.—*P.* (*Gabrius*) *chungkingensis* **sp. n.** Yunnan p. 75, BERNHAUER Koleopt. Rdsch. **29** 1943.—*P. picipes*, characters p. 144 figs., SCHEERPELTZ Koleopt. Rdsch. **30** 1944.—*P.* (*Gabrius*) characters p. 79; (*P.*) *tachyoryctidis* p. 82 (larva p. 83), (*G.*) *oribates* p. 88 Kenya, Cameroons, *alluaudanus* p. 90 Madagascar **spp. n.**; (*G.*) *altissimus* larva p. 86 figs., JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.—*P.* (*Gabrius*) *vinsoni* **sp. n.** Mauritius p. 116, CAMERON Proc. R. ent. Soc. Lond. (B) **16**.—*P. diversipennis* Bernh. (=*archangelicus* Popp.) p. 75, HELLÉN Notul. ent. **26**.

Phloeonomus (*P.*) *sonani* **sp. n.** Formosa p. 171, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.

Phyllodrepa (*Dropephylla*) *propinqua* **sp. n.** Scotland p. 172, BERNHAUER t.c.

Phytosus (*Actosus* key to spp. p. 96) *schatzmayri* **sp. n.** Azores p. 95, BERNHAUER Koleopt. Rdsch. **26** 1941.

Platyprosopus nigriventris **sp. n.** Abyssinia p. 55, CAMERON Atti Mus. Stor. nat. Trieste **16**.

Plesiosipalia **gen. n.** (Myrmedoniinae) p. 173, *arrowi* **sp. n.** New Zealand p. 174, BERNHAUER Folia zool. hydrobiol. **12** 1943.

Priochirus (*Cephalomerus*) *mushanus* p. 169, *kawamurai* p. 170 **spp. n.** Formosa, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.

Pseudhygroecia **subgen. n.** (type *elgonensis* Bern.) see *Atheta*.

Pseudomyrmedon **gen. n.** (nr. *Blepharrhymenus*), *alienus* **sp. n.** Mauritius p. 119, CAMERON Proc. R. ent. Soc. Lond. (B) **16**.

Quedius (*Sauridus*) *variegatus* p. 28, (*S.*) *sericeicollis* p. 29, (*S.*) *brunneorufus*, (*S.*) *wakefieldi* p. 30, (*S.*) *tripunctatus* p. 31, (*S.*) *arrowi*, (*S.*) *quadripunctus* p. 32 **spp. n.** New Zealand, BERNHAUER Folia zool. hydrobiol. **11** 1941.—*Q.* (*Ediquus*) *miwai* **sp. n.** Formosa p. 181, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.—*Q.* (*Microsaurus*) *brouni*, (*M.*) *brookesi* p. 706, (*Raphirus*) *aucklandicus* p. 707 **spp. n.** New Zealand, CAMERON Ann. Mag. n.H. (11) **13**.

Scimbalium (*Schatzmayria*) *aethiopicum* **sp. n.** Abyssinia p. 54, CAMERON Atti Mus. Stor. nat. Trieste **16**.

Silusa (*Stenusa*) *arrowi* **sp. n.** New Zealand p. 38, BERNHAUER Folia zool. hydrobiol. **11** 1941. — *S.* (*Stenusa*) *parallela* **sp. n.** New Zealand p. 170, BERNHAUER op. cit. **12** 1943.

Sipalia antipodum **sp. n.** New Zealand p. 173, BERNHAUER t.c.—*S. straneoi*, *appenina* **spp. n.** Italy p. 183, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.

Sphaeriolinus **gen. n.** (Staphylinini), *georgii* **sp. n.** Rapa Is., Oceania p. 176 figs., STEEL Ent. mon. Mag. **83**.

Sphingoquedius **gen. n.** (nr. *Quedius*), *strandi* **sp. n.** New Zealand p. 27, BERNHAUER Folia zool. hydrobiol. **11** 1941.

Staphylinus key to and notes on French and Belgian spp. of subgen. *Goërius* pp. 149–156, JARRIGE L'Entomologiste **3**.—*S.* (*Platydracus*) *jeanneli* larva p. 92, JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.—*S.*

(*Xanthocypus*) *miwai* **sp. n.** Formosa p. 178, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.

Stenus (*S.*) *sauterianus* p. 173, (*Hypostenus*) *miwai* p. 174 **spp. n.** Formosa, BERNHAUER t.c.—*S.* (*Hypostenus*) *sandersoni* p. 222, (*H.*) *subgracilis* p. 225 **spp. n.** Mexico figs., BENICK Mitt. münchn. ent. Ges. **31** 1941.—*S.* (*Hypostenus*) *apertus* **sp. n.** Costa Rica p. 330 fig., BENICK Arb. morph. taxon. Ent. Berl. **7** 1940.—*S.* variability of antennae and legs in subgen. *Hemistenus* and value of penis capsule as systematic character p. 133; *wüsthoffi* **sp. n.** S. Russia p. 135 figs., BENICK Koleopt. Rdsch. **27** 1941.—*S.* (*S.*) *klapperichi* p. 276, (*S.*) *beckeri* p. 278, (*Nestus*) *civicus* p. 284 **spp. n.** Fukien; (*N.*) *verecundus* Sh. a subsp. of *melanarius* Steph. p. 283; (*S.*) *tenuipes*, (*S.*) *biguttatus* morphological notes p. 275; (*S.*) *formosanus* further description p. 278 figs., BENICK Stettin. ent. Ztg. **102** 1941.—*S.* (*Nestus*) *kuatunensis* p. 63, (*N.*) *fukiensis* p. 65, (*Hypostenus*) *lacrimulus* p. 69, (*H.*) *latefasciatus* p. 72, (*Parastenus*) *grandimaculatus* p. 74, **spp. n.** Fukien; (*H.*) *amoenus* ♂ p. 67 figs., BENICK op. cit. **103** 1942.

Stilicolina revision of N. American spp. pp. 27–30, key p. 27; *fasta* **sp. n.** Arizona p. 28 figs., SANDERSON J. Kans. ent. Soc. **20.**

Stilicus (*Parastilicus* **subgen. n.** p. 72) figs., JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.

Synaenictus **gen. n.** p. 228, *foveicauda* **sp. n.** Kenya p. 229 figs., PATRIZI Boll. Ist. Ent. Bologna **16.**

Termitodiscus heimi **var. n.** *vicinior* India p. 127; *transvaalensis* **sp. n.** Transvaal p. 130 figs., SILVESTRI Arch. zool. ital. **31.**

Termitomus **gen. n.** (Termitodiscinae) p. 138, *fasciatus* (type) p. 140, *unicolor* p. 142 **spp. n.** Brazil figs., SILVESTRI t.c.

Tetropla see *Xenota*.

Thoracostrongylus miyakei **sp. n.** Formosa p. 179, BERNHAUER Mitt. münchn. ent. Ges. **33** 1943.

Triaulacodera **subgen. n.** (type *minima* **sp. n.**) see *Calodera*.

Trigaeus Sharp discussed p. 6, JANSSON Ark. Zool. **38A** no. 19.

Trilobitideus meneghettii Abyssinia p. 231, *kikuyuensis* Kenya p. 232 **spp. n.** figs., PATRIZI Boll. Ist. Ent. Bologna **16.**

Troglophloeus lindrothi S. Sweden p. 97 figs., PALM Notul. ent. **22** 1943.—*T.* (*Boopinus*) *semilividus* **sp. n.** Arabia p. 73, BERNHAUER Koleopt. Rdsch. **29** 1943.—*T. subtilicornis* **sp. n.** Herzegovina p. 71, ROUBAL Ent. Listy Brno **9** 1946.—*T.* (*Troginus*) *persimilis* **sp. n.** New Zealand p. 703, CAMERON Ann. Mag. n.H. (11) **13.**—*T.* (*Taenosoma*) *dispersepunctatus* **sp. n.** England p. 107 figs., SCHEERPELTZ Ent. mon. Mag. **83.**

Typhlomalota **gen. n.** (nr. *Homalota*), *glenniei* **sp. n.** N. India p. 30, CAMERON Proc. R. ent. Soc. Lond. (B) **16.**

Typhlopolemon **gen. n.** (Pygosteninae), *grandii* **sp. n.** Kenya p. 226 figs., PATRIZI Boll. Ist. Ent. Bologna **16.**

Urolitus **gen. n.** (Cephaloplectinae), *nigeriensis* **sp. n.** Nigeria p. 147 figs., SILVESTRI Arch. zool. ital. **31.**

Xantholinus vitalei **sp. n.** Sicily p. 74, BERNHAUER Koleopt. Rdsch. **29** 1943.—*X.* (*X.*) *vinsoni* **sp. n.** Mauritius p. 115, CAMERON Proc. R. ent. Soc. Lond. (B) **16.**

Xenota Muls. & Rey (=*Tetropla* Muls. & Rey, *Mycota* Muls. & Rey) p. 103. JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.

Zyras (*Camonia*) *opticus* p. 55, (*Glossacantha*) *zavattarii* p. 56, **spp. n.** Abyssinia, CAMERON Atti Mus. Stor. nat. Trieste **16.**

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Amaurops catalogue of Balkan spp. p. 165; (*A.*) *winneguthi* Macedonia p. 157, (*A.*) *montenegrina* p. 159, (*Seracamaurops*) *fodori* p. 160 Montenegro **spp. n.** figs., SZÉKESSY Ann. Mus. hung. **36** (Zool.) 1943.—*A. exarata* distribution, characters pp. 120-123 (with **subspp. n.** *intermedia* p. 124, *picena* p. 125, *tiberina* p. 126, *doderoi* p. 127, *solarii* p. 129 Italy) figs., BINAGHI Boll. Soc. ent. ital. **75** 1943.—*A.* revision of *diecki* group pp. 36–46, key p. 37; *dentibasis* **subsp. n.** *troglodytes* p. 41; *diecki* **subspp. n.** *andreinii*, *trossarelli* p. 43; Sicilian spp. pp. 47–54, key p. 49; *aubei* **subsp. n.** *agostini* p. 52; *sulcatula* **subsp. n.** *confusa*, **ab. n.** *pseudosulcatula* p. 54 Sicily figs., BINAGHI Mem. Soc. ent. ital. **23** 1944.—*A.* alpine spp. pp. 52–66; *alpina* **subsp. n.** *vesulana* p. 59; *varensis*, *dubia* **spp. n.** p. 63 Italy; catalogue of Italian spp. p. 76, of Sardinia and Corsica pp. 67–76; *corsica* **subsp. n.** *ancestralis* Sardinia p. 75

figs., BINAGHI op. cit. **24** 1945.—*A.* revision of Balkan spp. pp. 82–103, key to subgenn. p. 87 ; (*Protamaurops* **subgen. n.** p. 84) *macrophthalma* **sp. n.** Albania p. 85 (with **f. n.** *beieri* p. 87), (*Bergrothia*) *epirotica* **sp. n.** p. 91 Greece, MÜLLER Mitt. münchn. ent. Ges. **34** 1944.

Batrisodes revision particularly of spp. east of the Rocky Mts. pp. 45–132 ; keys to ♂♂ p. 56, to ♀♀ p. 62 ; *confinis* Lec. (=*curvatus* Sanders.) p. 20 ; *scabriceps* Lec. (=*harringtoni* Csy.) p. 74 ; *nigricans* Lec. (=*triangulifer* Bren.) p. 91 ; *sandersoni* p. 97, *rossi* p. 100, *hairstoni* p. 101, *schaefferi* p. 104 **spp. n.** ; *striatus* **var. n.** *psotai* p. 105 U.S.A. figs., PARK Bull. Chicago Acad. Sci. **8**.

Cliarthrus elaphoides p. 118, *elgonensis* p. 121 **spp. n.** Kenya figs., JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.

Ctenisomorphus key to spp. of Spanish Sahara p. 346 ; *hintoni* **sp. n.** Spanish Sahara p. 342 figs., ESPAÑOL COLL Eos **23**.

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Cassidoloma further description p. 262; *conradti* Togo, Cameroons p. 266, *dorsoplanata* Port. E. Africa p. 267 **spp. n.** figs., JOHN op. cit. **7** 1940.

Discogenia further description p. 257; *trilineata* p. 259, *disposita* p. 262 **spp. n.** Togo figs., JOHN t.c.

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Henoticus decoratus p. 162, *sinensis* p. 163 **spp. n.** Fukien figs., BRUCE t.c.—*H. serratus* Gyll. (=*reitteri* Seidl.) p. 569, BOLLOW Mitt. münchn. ent. Ges. **31** 1941.

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Paramecosoma maculosus see *Xenoscelinus*.

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Clerolanguria **gen. n.** for *Clerus tricolor* F. p. 84, VILLIERS t.c.

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Languria illoetabilis see *Paulianus*.

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Thallisellodes comboceroides Sumatra p. 89, *sachtlebeni* Annam p. 90, *coomani*, *tonkinensis* Tonkin p. 91, *ternatensis* Ternate p. 92 **spp. n.** figs., VILLIERS Arb. morph. taxon. Ent. Berl. **9** 1942.

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Amblyopus palmipes see *Pseudamblyopus*.

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31 1941.—*A. erythroperonus* **ab. n.** *rufosexvittata* Belgian Congo p. 220, MADER op. cit. **32** 1942.

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Sticholotis globosa Indo-China, Palawan, *dorsomaculata* p. 49, *pseudoferruginea* p. 50 Philippines, *maculata* Formosa, *sansibaricus* Zanzibar p. 51 **spp. n.** figs., KORSCHEFSKY Arb. morph. taxon. Ent. Berl. **11** 1944.

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goliath M. & R. a sp. not an ab. of *pimpinellae* p. 78, larva, male genitalia p. 80 figs., KORSCHEFSKY Arb. morph. taxon. Ent. Berl. **11** 1944.

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Monograph of Palaearctic Dryopidae, BOLLOW Mitt. münchn. ent. Ges. **31** 1941 pp. 1–88, 1 pl., 84 figs.

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Scirtes orbicularis early stages p. 31 fig., BERTRAND Bull. Soc. ent. Fr. **52.**

Microcara dufaui **sp. n.** Guadeloupe p. 92, LEGROS Fn. Emp. franç. **7.**

Ora dufaui **sp. n.** Guadeloupe p. 94, LEGROS t.c.

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Ptilodactyla macrophtalma p. 97, *guadalupensis* p. 98 **spp. n.** Guadeloupe, LEGROS t.c.

RHIPICERIDAE (SANDALIDAE).

Callirhipis lherminieri Cast. (=*lacordairei* Cast., *insularis* Cast.) p. 139, FLEUTIAUX Fn. Emp. franç. **7.**

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ANOBIIDAE (ASPIDIPHORIDAE).

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Clada laticollis **sp. n.** Ethiopia p. 3, PIC Echange **63.**

Lasioderma curtum Ethiopia, *tanganum* Tanga **spp. n.** p. 4, PIC t.c.

Leptobia guadalupensis see *Picatoma.*

Mesocaelopus jeanneli **sp. n.** Ethiopia p. 3, PIC Echange **63.**

Peridorcamota **gen. n.** for *Pseudodorcatoma dufaui* Pic (type), *sericea* Pic (with **var. n.** *aurea* Guadeloupe p. 223) p. 222, LEPESME Fn. Emp. franç. **7.**

Petalium fleutiauxi, pici, **spp. n.** Guadeloupe p. 220 fig., LEPESME t.c.

Picatoma **gen. n.** for *Leptobia guadalupensis* Pic p. 224 fig., LEPESME t.c.

Pseudodorcatoma dufaui, sericea see *Peridorcamota.*

Xyletinus robustus **sp. n.** S. Africa p. 3, PIC Echange **63.** — *X. hanseni* **sp. n.** Sweden p. 118, JANSSON Opusc. ent. Lund **12.**

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Trigonogenius curtus **sp. n.** Paraguay p. 6, PIC Echange **63.**

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Ababa longipennis **sp. n.** Tonkin p. 6, PIC Echange **63.**

Axina diversesignata **sp. n.**; *plagiata* **var. n.** *ininterrupta*; *parcepunctata* **var. n.** *uninotata* Brazil p. 15, PIC op. cit. **62** 1946.

Blackburniella intricata Blkb. (=*Erolestus cleroides* Wolc.) p. 87 (note), WOLCOTT Fieldiana Zool. **32.**

Callotillus intricatus **sp. n.** Costa Rica p. 146 figs., WOLCOTT & DYBAS Fieldiana Zool. **31.**

Cephaloclerus viridipennis **var. n.** *diversipes*; *niger* (with **var. n.** *obscuripes*), *semiviridis* Congo p. 14, *villiersi* Senegal p. 15 **spp. n.**, PIC Echange **62** 1946.

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Xanthothopia olivacea further description p. 11, PIC Echange **62** 1946.

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Tanaops key to spp. p. 183; *neglectus* p. 185, *sierrae* p. 186, *nunenmacheri* p. 189, *oregonensis* p. 190 **spp. n.**; *abdominalis* **var. n.** *alutaceus* p. 186 U.S.A., MARSHALL t.c.

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Danacaea imperialis **var. n.** *testaceoapicalis* Algeria p. 6, PIC Echange **63**.

Dasytes (*Hypodasytes*) *subalpinus* **subsp. n.** *vesubiensis* France p. 9, PIC op. cit. **62** 1946.

TELEPHORIDAE (CANTHARIDAE).

Generic position of some Indo-Malayan Cantharidae, WITTMER Treubia **18** 1942 pp. 609–610.

Cantharis fulvicollis **ab. n.** *nigricollis* Norway p. 189, HÄNEL Ent. Bl. **36** 1940.—*C. obscura* **var. n.** *szegediensis* Hungary p. 224, STILLER Mitt. münchn. ent. Ges. **32** 1942.—*C. cryptica* **sp. n.** England p. 59, ASHE Ent. mon. Mag. **83**.—*C. vesicatoria* **varr. n.** *purpureicolor*, *bipartitipennis* France p. 15, PIC Echange **62** 1946.—*C. albanica* **sp. n.** Albania p. 5, PIC op. cit. **63**.

Chauliognathus infrabasalis, *emili*, *bireductipennis* **spp. n.** Brazil; *leopoldi* further description p. 3, PIC t.c.

Lycocerus longipennis **sp. n.**; *lineaticeps* **var. n.** *notatithorax* Yunnan p. 8, PIC t.c.

Malthodes robustus, *atricornis* **spp. n.** Congo p. 16, PIC op. cit. **62** 1946.

Mimopolemius basipennis, *testaceicollis* **spp. n.** Sumatra; *aurantiacus* **var. n.** *sukabuminus* Java p. 7; *obscuricolor* further description p. 8, PIC op. cit. **63**.

Podabrus alpinus **ab. n.** *falzonii* Italy p. 13, BURLINI Boll. Soc. ent. ital. **74** 1942.—*P. planulus* p. 65, *intrusus* p. 67, *brimleyi* p. 70, *dreisbachi* p. 73, *dietrichi* p. 74 **spp. n.** U.S.A. figs., GREEN Trans. Amer. ent. Soc. **73**.

Pseudosilis reductus **sp. n.** Sumatra; *ruficeps*, *longipennis* further descriptions p. 8, PIC Echange **63**.

Rhagonycha montana **sp. n.** S. Morocco p. 9, BIGGS Ent. mon. Mag. **83**.

Silidius rufotestaceus, *binotaticollis* (with **var. n.** *bisbinotatus*) Congo p. 16, PIC Echange **62** 1946.—*S. kivuensis* further description p. 3, PIC op. cit. **63**.

Themus magnificus **var. n.** *diversipes* China p. 7, PIC t.c.

Tylocerus lividus larva p. 121 fig., GARDNER Indian J. Ent. **8**.

LYCIDAE.

Lycidae of Klapperich's China expedition, KLEINE Ent. Bl. **36** 1940 pp. 90–91, 3 figs.

Calleros purgatus **sp. n.** Venezuela p. 161 figs., KLEINE Mitt. münchn. ent. Ges. **32** 1942.

Calochromus revision (key p. 212) pp. 206–241 ; *bifasciatus* India p. 233, *cerberus*, *cornix* Malaya p. 234 **spp. n.** figs., KLEINE Stettin. ent. Ztg. **102** 1941.—*C.* key to larvae of Indian spp. p. 126 figs., GARDNER Indian J. Ent. **8.**

Calopteron diffusicoloratum S. America p. 152, *chilenum* Chile p. 153, *ecuadorense* Ecuador p. 154, *venezuelense* Venezuela p. 155, *montiphilum* Mexico p. 156, *fundatum* Brazil p. 157 **spp. n.** figs., KLEINE Mitt. münchn. ent. Ges. **32** 1942.—*C. pusillum* **sp. n.** Mexico p. 147 figs., KLEINE Ann. Mus. hung. **36** (Zool.) 1943.

Cautires profanus **sp. n.** E. Africa p. 151 figs., KLEINE t.c.

Cladophorus tricoloratus **sp. n.** New Guinea p. 150 figs., KLEINE t.c.

Cyrtopteron reverens **sp. n.** Brazil p. 158 fig., KLEINE Mitt. münchn. ent. Ges. **32** 1942.

Diatrichalus key ; *birói* **sp. n.** New Guinea p. 152 fig., KLEINE Ann. Mus. hung. **36** (Zool.) 1943.

Dictyoptera fiedleri distribution S.E. Europe p. 712, BOLLOW Mitt. münchn. ent. Ges. **32** 1942.

Emplectus subtilis **sp. n.** Brazil p. 147 figs., KLEINE Ann. Mus. hung. **36** (Zool.) 1943.

Falsocaenia incognitus **sp. n.** Brazil p. 158 figs., KLEINE Mitt. münchn. ent. Ges. **32** 1942.

Haplolycus perpusillus **sp. n.** Natal p. 150 figs., KLEINE t.c.

Lopholycus circummarginatus **sp. n.** E. Africa p. 149 figs., KLEINE t.c.—*L. obtunsus* **sp. n.** E. Africa p. 145 figs., KLEINE Ann. Mus. hung. **36** (Zool.) 1943.

Lycostomus klapperichi **sp. n.** Fukien p. 90 figs., KLEINE Ent. Bl. **36** 1940.—*L. similis* larva p. 128, GARDNER Indian J. Ent. **8.**

Lygistopterus nevermanni **sp. n.** Costa Rica p. 161 figs., KLEINE Mitt. münchn. ent. Ges. **32** 1942.

Lyropaeus biguttatus larva p. 128, GARDNER Indian J. Ent. **8.**

Malacolycus **gen. n.**, *paululus* **sp. n.** New Guinea p. 151 figs., KLEINE Ann. Mus. hung. **36** (Zool.) 1943.

Merolycus inusitatus, *parmatus* E. Africa p. 146, *externatus* Peru p. 147 **spp. n.** figs., KLEINE t.c.—*M. obtusus* **sp. n.** Natal p. 151 figs., KLEINE Mitt. münchn. ent. Ges. **32** 1942.

Mesopteron sulphureum **sp. n.** St. Lucia p. 159 fig., KLEINE t.c.

Metriorrhynchus rigidus p. 152, *spectabilis* p. 153 **spp. n.** New Guinea figs., KLEINE Ann. Mus. hung. **36** (Zool.) 1943.

Plateros kaszabi **sp. n.** Colombia p. 154 figs., KLEINE t.c.—*P. separatus* **sp. n.** Colombia p. 159 figs., KLEINE Mitt. münchn. ent. Ges. **32** 1942.—*P.* sp. larva p. 127, GARDNER Indian J. Ent. **8.**

Protaphes key p. 149 ; *bistriatus* Formosa, *croceus* Madras **spp. n.** p. 148 figs., KLEINE Ann. Mus. hung. **36** (Zool.) 1943.

Pyropterus fukiensis **sp. n.** Fukien p. 91 fig., KLEINE Ent. Bl. **36** 1940.

Stadenus leonensis **sp. n.** Sierra Leone p. 8, PIC Echange **63.**

Xylobanus ivoirensis **sp. n.** Ivory Coast p. 8, PIC t.c.

LAMPYRIDAE.

Male genital tube in Indian Lampyridae, SAMUEL RAJ J. Bombay n.H. Soc. **46** pp. 738–739, 4 figs.

Diaphanes planus larva p. 125 fig., GARDNER Indian J. Ent. **8.**

Diphotus dahlgreni p. 71, *darlingtoni* p. 72, *masti* p. 73 **spp. n.** Jamaica figs., BUCK Proc. U.S. nat. Mus. **97** no. 3210.

Lamprophorus tenebrosus larva p. 123, GARDNER Indian J. Ent. **8.**

Luciola dubia larva p. 125 fig., GARDNER t.c.—*L. trivandrensis* **sp. n.** India p. 188 figs., RAJ Proc. Indian Acad. Sci. **25B.**

Microdiphot barberi **sp. n.** Jamaica p. 74 figs., BUCK Proc. U.S. nat. Mus. **97** no. 3210.

Photinus lewisi p. 64, *pardalis* p. 66, *nothoides* p. 67, *harveyi*, *elisabethae* p. 68 **spp. n.** Jamaica figs., BUCK t.c.

Presbyolampis **gen. n.** p. 75, *immigrans* **sp. n.** Jamaica p. 76 figs., BUCK t.c.

Pyrophanes indica ? larva p. 190 figs., RAJ Proc. Indian Acad. Sci. **25B.**

DRILIDAE (KARUMIIDAE).

Selasia ruficolor Mozambique, *atricornis, pectoralis* **spp. n.**; *chaboti* **varr. n.** *semilimbatus, separatus* Congo p. 16, PIC Echange **62** 1946.

EUCNEMIDAE (MELASIDAE, CEROPHYTIDAE).

Revision of Eucnemids of Fr. Indo-China, FLEUTIAUX Notes Ent. chinoise **11** pp. 1–68.

Dirrhagus quadricollis **sp. n.** Tonkin p. 65, FLEUTIAUX t.c.

Dromaeolus hoabinus **n.n.** for *tonkineus* Fleut. 1928 nec 1927 p. 46; *coomani* **sp. n.** Tonkin p. 47, FLEUTIAUX t.c.

Galbimorpha quadricollis **sp. n.** Laos p. 20, FLEUTIAUX t.c.

Nematodes confusus **sp. n.** Tonkin p. 53, FLEUTIAUX t.c.

Serrifornax brevicollis p. 42, *extractus* p. 43 **spp. n.** Tonkin, FLEUTIAUX t.c.

ELATERIDAE (PHYLLOCERIDAE, DICRONYCHIDAE).

Revision of Candèze's Elaterid types in Genoa Mus., I–II, BINAGHI Boll. Soc. ent. ital. **73** 1941 pp. 83–89, 2 pls., 118–123, 22 figs.

Revision of Elateridae of Fr. Indo-China, FLEUTIAUX Notes Ent. chinoise **11** pp. 233–420.

Identification of some Elaterid larvae in Kentucky, JEWETT Bull. Kentucky agric. Exp. Sta. no. 489 1946 40 pp. 15 pls.

Abelater **gen. n.** for *Melanoxanthus rubiginosus* Cand., *maculatus* Fleut., *singularis* Cand. p. 384; *rufus* **sp. n.** Fr. Indo-China p. 386, FLEUTIAUX Notes Ent. chinoise **11.**

Aeoloderma crucifer characters p. 67 (with **abb. n.** *trifurcata* p. 69, *conjuncta, t-facta, cordata* Egypt, *lostiae, doderi* p. 72, *meridionalis, gagliardii* p. 73, *apicalis, sexsignatus* p. 74 Italy) figs., BINAGHI Boll. Soc. ent. ital. **74** 1942.

Agriotes litigiosus larva p. 171, BINAGHI Mem. Soc. ent. ital. **21** 1942.—*A. pallidulus* larva p. 43, COOPER Ent. mon. Mag. **83.**

Agrypnus notodonta p. 70 (and var. *imerensis* p. 72); *labeculatus, javanus* p. 86 characters; *scorteccii* **sp. n.** Fezzan p. 73; *gestroi* p. 87, *pumilus* p. 88 further descriptions figs., BINAGHI Boll. Soc. ent. ital. **73** 1941.

Anostirus revision of European spp. pp. 193–234, keys to subgenn., spp. p. 197; (*Parastirus* p. 204, *Ipostirus* p. 211, *Pseudostirus* p. 221 **subgenn. n.**); (*Parastirus*) *purpureus* **subsp. n.** *teheranus* Persia p. 205; (*P.*) *cerrutii* Italy p. 210, (*I.*) *stramineipennis* Hungary p. 214, (*I.*) *pseudosulphuripennis* France p. 216 **spp. n.**; (*Pseudostirus*) *sulphuripennis* **subsp. n.** *penninus* Pennines p. 226 figs., BINAGHI Mem. Soc. ent. ital. **19** 1940.

Betarmon quadrivittatus see *Idiotarmon.*

Cardiophorus elevatus p. 111, *malkini* p. 112 **spp. n.** Australia figs., VAN ZWALUWENBURG Proc. Hawaii. ent. Soc. **13.**

Cardiotarsus fulvipes **var. n.** *difficilis*; *vittatus* **var. n.** *hoabinh* Fr. Indo-China p. 372; *ornatipennis* **n. n.** for *vittatus* Fleut. 1940 nec 1931 p. 375, FLEUTIAUX Notes Ent. chinoise **11.**

Compsolacon gracilis **var. n.** *specularis* New Guinea p. 109, VAN ZWALUWENBURG Proc. Hawaii. ent. Soc. **13.**

Conoderus almeidai **sp. n.** Brazil p. 257 figs., NAVAJAS & MOREIRA Livro hom. R. Ferreira d'Almeida 1946.

Corymbites (*Calambus*) *amurensis* **sp. n.** Amur p. 596, JAGEMANN Mitt. münchn. ent. Ges. **32** 1942.

Ctenicera s. str. revision of European spp. pp. 93–124, keys p. 96; *virens* **ab. n.** *purpurascens* p. 100; *bonomii* p. 106, *doderoi* p. 117 **spp. n.**; *cuprea* **var. n.** *brevipectinata* p. 111 Italy; *heyeri* Sax. (=*regalis* Szom.) p. 104; *bosnica* Apf. raised to sp. p. 116 figs., BINAGHI Mem. Soc. ent. ital. **19** 1940.

Dalopius allegheniensis p. 90, *ohioensis* p. 91 **spp. n.** U.S.A. figs., KNULL Ent. News **58.**

Dicronychus (*Platynychus*) *separatus* **var. n.** *divisus* Fr. Indo-China p. 356, FLEUTIAUX Notes Ent. chinoise **11.**

Dilobitarsus fleutiauxi **sp. n.** Ivory Coast p. 7 fig., PAULIAN Bull. Soc. ent. Fr. **52.**

Diocarphus **subgen. n.** (type *solitarius* Fleut.) see *Phorocardius*.

Drasterius catalogue of Palaearctic spp. p. 182; *bimaculatus* characters pp. 165, 169 (with **ab. n.** *balianii* Italy p. 170, **var. n.** *bengasinus* Libya p. 177); *schatzmayri* **sp. n.** Sinai p. 180 figs., BINAGHI Mem. Soc. ent. ital. **20** 1940.

Elater revision of Scandinavian spp. pp. 155–170, key p. 158; *borealis* **sp. n.** Sweden, Finland p. 164 fig., PALM Ent. Tidskr. **68**.

Idiotarmon **gen. n.** for *Betarmon quadrivittatus* Rag. p. 101 figs., BINAGHI Boll. Soc. ent. ital. **72** 1940.

Ipostirus **subgen. n.** (type *purpureus* var. *parumcostatus* Buyss.) see *Anostirus*.

Limonius larvae pp. 619–626 figs., LANCHESTER Ann. ent. Soc. Amer. **39**.—*L. meridianus* p. 177, *olentangyi* p. 179 **spp. n.** Ohio; *pubicollis* Lec. not synonym of *auripilis* Say p. 178, KNULL Ent. News **58**.

Ludius robinsoni **sp. n.** Texas p. 180, KNULL t.c.

Megapenthes (*Xanthopenthes*) *almeidai* **sp. n.** Brazil p. 251 figs., NAVAJAS Livro hom. R. Ferreira d'Almeida 1946.

Melanoxanthus rubiginosus, maculatus, singularis see *Abelater*.

Meristhus (**subgen. n.** *Sulcimerus* p. 255), FLEUTIAUX Notes Ent. chinoise **11**.—*M. scabinula, diodesmoides, perraudierei* see *Rismethus*.

Odontonychus key to Belg. Congo spp. p. 32; *fossiceps* p. 33, *luluensis* p. 34, *uelensis* p. 35, *kindaensis* p. 37, *rodhaini, elisabethanus* p. 38 **spp. n.** Belg. Congo, BURGEON Rev. Zool. Bot. afr. **40**.

Olophoeus key to Belg. Congo spp. p. 18; *brachycerus* p. 21, *aemidiodes* p. 22, *vrydaghi, kigonseranus* p. 23, *massarti* p. 25, *soricinus, bequaerti* p. 26, *quadricollis* p. 27, *alternans* p. 30, *vanderstichelei* p. 31 **spp. n.** Belg. Congo; *nubilus* Klug (=*radula* Cand.) p. 24, BURGEON t.c.

Parastirus **subgen. n.** (type *purpureus* Poda) see *Anostirus*.

Patricia **gen. n.** p. 113, *australica* **sp. n.** Australia p. 114 figs., VAN ZWALUWENBURG Proc. Hawaii. ent. Soc. **13**.

Phorocardius (**subgen. n.** *Diocarphus* p. 364), FLEUTIAUX Notes Ent. chinoise **11**.

Pseudostirus **subgen. n.** (type *sulphuripennis* Germ.) see *Anostirus*.

Rismethus **gen. n.** for *Meristhus scabinula* Cand. (type), *diodesmoides* Mots., *perraudierei* Fleut. p. 257, FLEUTIAUX Notes Ent. chinoise **11**.

Sulcimerus **subgen. n.** see *Meristhus*.

BUPRESTIDAE.

Some Buprestidae of the Spanish Sahara, ESPAÑOL COLL & SANPERE Eos **23** pp. 221–236, 4 figs.

Key to Buprestids of European USSR, RIKHTER Zool. Pap. Inst. biol. Acad. Sci. Armenian SSR **3** 1945 pp. 131–176.

Corrections to Buprestid "Col. Cat.," THÉRY Novit. ent. **15–16** 1946 pp. 155–156.

Acmaeodera gibbulosa Mén. (=*cuprinula* Rttr., *inamoena* Fald.); Obenberger's abb. of *circassica* Rttr. not valid p. 174, RIKHTER Zool. Pap. biol. Inst. Acad. Sci. Armenian SSR **3** 1945.—*A. moralesi* **sp. n.** Spanish Sahara p. 223 figs., ESPAÑOL COLL & SANPERE Eos **23**.—*A. fisheri* **var. n.** *vermiculata* U.S.A. p. 174 fig., KNULL Ohio J. Sci. **47**.

Agrilus gillespiensis **sp. n.** Texas p. 70 figs., KNULL t.c.—*A. kochi* p. 253, *turdus* p. 255, *charbinensis* p. 256, *lubricus* p. 260, *anomalus* p. 262, *enisus* p. 264, *sericeus* p. 266, *paphius* p. 268 Manchuria, *demuthi* Siberia p. 258 **spp. n.** figs., THÉRY Mitt. münchn. ent. Ges. **32** 1942.—*A.* (*Robertius* **subgen. n.** p. 670) *taylori* **sp. n.** Uganda p. 671 fig., THÉRY Ann. Mag. n.H. (11) **13**.—*A. ater* larva p. 104, pupa; larval characters of other spp. p. 107 figs., KANGAS Ann. ent. fenn. **13**.

Alyssoderus kerremansi **n. n.** for *magnus* Kerr. 1913 nec 1911 p. 155, THÉRY Novit. ent. **15–16** 1946.

Anthaxia of the Caucasus pp. 108–130, key to subgenn., **subgenn. n.** *Trichocratomerus* p. 126, *Cryptocratomerus, Chrysanthaxia* p. 127, *Cryptanthaxia, Homalanthaxia, Anthaxiola* p. 128, *Enanthaxia, Melanthaxia, Cyclanthaxia* p. 129, *Mesanthaxia, Callanthaxia* p. 130, RIKHTER Zool. Pap. biol. Inst. Acad. Sci. Armenian SSR **3** 1945.—*A. montana* ♂ p. 668, THÉRY Ann. Mag. n.H. (11) **13**.

Anthaxiola **subgen. n.** (type *anatolica* Chevr.) see *Anthaxia*.

Anthaxomorphus cossyphoides **sp. n.** Uganda p. 674 fig., THÉRY Ann. Mag. n.H. (11) **13.**

Argante Kiesw. raised to gen. p. 174, RIKHTER Zool. Pap. biol. Inst. Acad. Sci. Armenian SSR **3** 1945.

Brachys orichalceus see *Trachys aurifluus.*

Buprestis revision of Palaearctic spp. pp. 460–554, key p. 461 ; (*Cypriacis*) *splendens* **var. n.** *heldreichi* Greece p. 480 ; (*B.*) *cupressi* Germar (=*mutabilis* Costa) p. 485 (with **abb. n.** *anticesignata, notulata, commixta, laporteana, germari* no localities p. 487) ; *salomonii* **abb. n.** *teheranensis, khosrovensis* Persia p. 490, *samarkanda* Turkestan p. 491 ; *variegata* **abb. n.** *tamarisciola* ? Algeria, *mesranensis* Algeria p. 494 ; *octoguttata* **abb. n.** *anifascis* Bosnia, *eugastra* Austria, *fraudulenta* Spain, Bohemia, *macilla, anosignata* (also Balearic Is.) p. 499, *colligata, superstes, hetera* p. 500, *spoliata* p. 503 Bohemia, *mirabilis* Hungary p. 500, *akbesina* Syria p. 501, *ausonica* Italy, *meschniggi* Austria p. 502, *balearica* Balearic Is. p. 504 ; *novemmaculata* ab. *reducta* Pic (= *obscura* Théry) p. 510 ; *tarsensis* **abb. n.** *revocans* Syria, *achaia, palladis* Greece p. 524, *krüperi* Syria, Asia Minor p. 523 ; *strigosa* **abb. n.** *smirnovi, jakuta, motschulskyi* Baikal, *gebleri* Siberia etc., *ussuriensis* Siberia p. 526 ; *dalmatina* **abb. n.** *trpanjensis* (also Syria), *fleischerella, adanensis* Dalmatia, *fossulithorax, cilicica, pisidica, pauperula, gülekensis, lads* (also Dalmatia), *olympica* (also Greece) Asia Minor p. 531, *taygetica* Dalmatia, Greece, Syria, *aleppensis* Syria, Asia Minor, *turcica* Turkey, *euboeica* Greece, *alauita* Syria p. 532 ; *haemorrhoidalis* Herbst (=*punctata* F.) p. 536 (with **abb. n.** *basiimpressa* Czechoslovakia, *analis* Yugoslavia, Greece p. 541, *tetrastica* Moravia, Finland, France etc., *sexnotata* Morocco, Greece, etc., *parnisi* Greece, *moravica, femoralis* Moravia, *croesus* Bohemia, Austria, Greece, etc., *attica* Greece, *humeriguttata* Austria p. 542, *pannonica* Caucasus, Bulgaria, Bohemia, *lučniki* Asia Minor, *zacharovi* Caucasus, *pontica* Moravia, Caucasus p. 543, *analoga, abdominalis* Siberia, *monticola* Bohemia, *simplicicollis* Manchuria, *schilkae* (also Siberia), *transbaicalica* Transbaikalia p. 544) ; *flavoangulata* **ab. n.** *tangerica* Tangiers p. 545 ; *japanensis* **abb. n.** *infrasignata, quadrifossa* Corea, *ogumensis* Japan p. 547 ; *rustica* **abb. n.** *tetrastictula, pseudohaemorrhoidalis* Czechoslovakia, Austria, *combinata* Centr. Europe, *coxalis* Austria, *multipla, prosternalis* Bohemia p. 554 figs., OBENBERGER Mitt. münchn. ent. Ges. **31** 1941.—*B. prospera* Csy. a valid sp. ; *consularis* Gory distinct from *nuttalli* Kby. p. 176, KNULL Ohio J. Sci. **47.**—*B.* key to subgenn. (excepting American) ; (*Didonia* **subgen. n.** p. 244) ; (*B.*) *birmanica* **sp. n.** Burma p. 242 fig., THÉRY Ann. Mag. n.H. (11) **13.**

Callanthaxia **subgen. n.** see *Anthaxia.*

Capnodis cariosa **subsp. n.** *iranica* Iran p. 17, BOGATCHEV Ent. Phytopath. appl. Teheran no. 4.

Chrysanthaxia **subgen. n.** (type *polychloros* Ab.) see *Anthaxia.*

Chrysobothris wilkinsoni **sp. n.** Kenya p. 668 fig., THÉRY Ann. Mag. n.H. (11) **13.**—*C. santarosae* **sp. n.** California p. 70 figs., KNULL Ohio J. Sci. **47.**

Colobogaster lemoulti **sp. n.** Guiana p. 154 figs., THÉRY Novit. ent. **15–16** 1946.

Cryptanthaxia **subgen. n.** see *Anthaxia.*

Cryptocratomerus **subgen. n.** see *Anthaxia.*

Cyclanthaxia **subgen. n.** see *Anthaxia.*

Cyphogastra froggatti **sp. n.** New Guinea p. 663 fig., THÉRY Ann. Mag. n.H. (11) **13.**—*C. kerremansi* subsp. *freyi* further description p. 628 fig., THÉRY Mitt. münchn. ent. Ges. **33** 1943.

Cypriacis Csy. raised to gen. p. 174, RIKHTER Zool. Pap. biol. Inst. Acad. Sci. Armenian SSR **3** 1945.

Dicerca strandtmanni **sp. n.** Texas p. 174 figs., KNULL Ohio J. Sci. **47.**

Didonia **subgen. n.** see *Buprestis.*

Dystaxia murrayi **subsp. n.** *cuprea* California p. 72, KNULL Ohio J. Sci. **47.**

Enanthaxia **subgen. n.** see *Anthaxia.*

Freya **gen. n.**, *lampetiformis* **sp. n.** S.W. Africa p. 629 fig., THÉRY Mitt. münchn. ent. Ges. **33** 1943.

Haplotrinchus list of spp. p. 643, corrections to Col. Cat. ; *semperi* Philippines p. 644, *pooli* Oceania & probably Fiji p. 645 **spp. n.**, THÉRY t.c.

Hesperorhipis hyperbolus **subsp. n.** *californicus* California p. 70 figs., KNULL Ohio J. Sci. **47.**

Hippomelas brunneata **sp. n.** California p. 210, KNULL Ent. News **58.**

Homalanthaxia **subgen. n.** see *Anthaxia.*

Juniperella **gen. n.**, *mirabilis* **sp. n.** California p. 69 fig., KNULL Ohio J. Sci. **47.**

Lampetis mimosae **ab. n.** *viridis* Palestine p. 664, THÉRY Ann. Mag. n.H. (11) **13.**

Latipalpis plana **abb. n.** *viridicuprea*, *azurea* Italy p. 76, LOMBARDI Boll. Soc. ent. ital. **74** 1942.

Leiopleura fisheri **sp. n.** Dominica p. 681 fig., THÉRY Ann. Mag. n.H. (11) **13.**

Lius fennahi **sp. n.** (with **var. n.** *nigra* p. 677) Dominica p. 676 fig., THÉRY t.c.

Melanthaxia **subgen. n.** see *Anthaxia.*

Mesanthaxia **subgen. n.** (type *olympica* Kiesw.) see *Anthaxia.*

Metataenia catalogue p. 648; *freyi* Halmaheira p. 649, *pagdeni* Solomon Is. p. 651, *impressipennis* Fiji p. 652 **spp. n.** fig., THÉRY Mitt. münchn. ent. Ges. **33** 1943.

Monosacra a subgen. of *Oedisterna*, q.v.

Neotrachys dominicanus **sp. n.** Dominica p. 677, THÉRY Ann. Mag. n.H. (11) **13.**

Nesotrinchus ignitus **sp. n.** Solomon Is. p. 647, THÉRY Mitt. münchn. ent. Ges. **33** 1943.

Obenbergerietta **n. n.** for *Sicardia* Théry nec Reitt. p. 392, STRAND Folia zool. hydrobiol. **11** 1942.

Oedisterna revision of African spp. pp. 632–639, key p. 639, catalogue p. 642; *Pseudoperotis* Obb. p. 633, *Monosacra* p. 634 reduced to subgenn.; *subcuprea* **sp. n.** p. 635; *bisulcata* **var. n.** *hoschecki* p. 638 S. Africa, THÉRY Mitt. münchn. ent. Ges. **33** 1943.

Paratyndaris grassmani **sp. n.** Arizona p. 31, PARKER Bull. Brooklyn ent. Soc. **42.**

Pseudoperotis a subgen. of *Oedisterna*, q.v.

Ptosima 11-*maculata* key to variations, Côte d'Or p. 31, PATER Misc. ent. **42** 1945.

Robertius **subgen. n.** (type *taylori* sp. n.) see *Agrilus.*

Sicardia see *Obenbergerietta.*

Sphenoptera coracina Stev. (=*poetica* Ob., *tabanica* Ob.); *exarata* F.-W. (=*dejeani* Zubk.) p. 174; *pseudochalybea* **sp. n.** Armenia p. 175, RIKHTER Zool. Pap. biol. Inst. Acad. Sci. Armenian SSR **3** 1945.—*S.* (*Deudora*) *galo-bulloni* **sp. n.** Spanish Sahara p. 231 fig., ESPAÑOL COLL & SANPERE Eos **23.**—*S.* (*Hoplistura*) *obesa* **subsp. n.** *rahmani* Sudan p. 665; (*H.*) *lloydi* **sp. n.** Nigeria p. 666, THÉRY Ann. Mag. n.H. (11) **13.**—*S.* (*S.*) *freyi* Iran p. 274, (*Deudora*) *kulzeri* Asia Minor p. 276 **spp. n.** figs., THÉRY Mitt. münchn. ent. Ges. **32** 1942.

Steraspis comitessa **sp. n.** Belg. Congo p. 626 fig., THÉRY op. cit. **33** 1943.

Stigmodera (*Themognatha*) *gemmelli* p. 199, (*Castiarina*) *rutila* p. 200, (*C.*) *humilis* p. 201 **spp. n.** Australia figs., DEUQUET Proc. Linn. Soc. N.S.W. **72.**

Taphrocerus mercedensis **sp. n.** California p. 182 figs., WHITE Ent. News **58.**—*T. fennahi* **sp. n.** Trinidad p. 672 fig., THÉRY Ann. Mag. n.H. (11) **13.**

Trachys acaliphae Uganda p. 678, *dasi* India p. 679 **spp. n.** figs., THÉRY t.c.—*T. aurifluus* Solsky (=*Brachys orichalceus* Kiesenw.) p. 271; *freyi* **sp. n.** Manchuria p. 272 fig., THÉRY Mitt. münchn. ent. Ges. **32** 1942.

Trichocratomerus **subgen. n.** see *Anthaxia.*

TENEBRIONIDAE (BORIDAE, RHYSOPAUSSIDAE, TRETOTHORACIDAE).

Larvae of British Tenebrionids, van EMDEN Ent. mon. Mag. **83** pp. 154–171, 46 figs.

Catalogue of Tenebrionidae (cont.), GEBIEN Mitt. münchn. ent. Ges. **31** 1941 pp. 331–362, 803–834, 1131–1146; **32** 1942 pp. 308–346, 729–760; **33** 1943 pp. 399–430, 895–926.

Some Tenebrionidae of Asia Minor, KASZAB Folia ent. hungar. **5** 1940 pp. 2–7, 2 figs.

Tenebrionidae of Formosa, KASZAB Stettin. ent. Ztg. **102** 1941 pp. 51–72, 10 figs.

Revision of Indo-Malayan Misolampinae (key to genn. p. 1), KASZAB Ann. h.-n. Mus. hung. **34** 1941 pp. 1–44, 1 pl.

Revision of Oriental Opatrinae, KASZAB Mitt. münchn. ent. Ges. **32** 1942 pp. 1–43, 16 figs.

Characters and distribution of Erodiini (key to genn. p. 489), KOCH Mitt. münchn. ent. Ges. **33** 1943 pp. 479–513, 5 figs.

Tenebrionidae collected in Spain 1943, KOCH Mitt. münchn. ent. Ges. **34** 1944 pp. 216–254.

Key to German Tenebrionid larvae, KORSCHEFSKY Arb. physiol. angew. Ent. Berl. **10** 1943 pp. 58–68, 4 pls.

Systematic position of Rhysopaussidae, PAULIAN Rev. franç. Ent. **14** p. 13.

Tenebrionids of the Museum Hoang ho-Pei ho in Tientsin, SCHUSTER Koleopt. Rdsch. **26** 1940 pp. 15–24.

Adesmia (*A.*) *dilatata* **subsp. n.** *subaequatorialis* Sahara p. 304, KOCH Mitt. münchn. ent. Ges. **31** 1941.—*A. panderi* **subsp. n.** *iranica* Iran p. 15, BOGATCHEV Ent. Phytopath. appl. Teheran no. 4.

Akis andromeda **sp. n.** Iran p. 15, BOGATCHEV t.c.

Alphasida (*A.*) *lorcana* **subsp. n.** *mendizabali* p. 234 (with **f. n.** *gemina* p. 235, **var. n.** *unicosta* p. 237) ; (*Glabrasida*) *laevis* **subsp. n.** *salinatrix* p. 238 ; (*G.*) *parallela* **subsp. n.** *morenoi* p. 239 Spain, KOCH Mitt. münchn. ent. Ges. **34** 1944.

Alphitobius xamiaphila see *Martianus*.

Alphitophagus bifasciatus Say (=*Platydema lilliputanum* Cart.) p. 90, HINTON Ann. Mag. n.H. (11) **14**.

Amarygmus trichopus **sp. n.** Formosa p. 69, KASZAB Stettin. ent. Ztg. **102** 1941.

Annamosdara **gen. n.** (Mesolampinae) p. 30, *multidentata* **sp. n.** Annam p. 31, KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Anobriomaia **gen. n.** (Cnodaloninae) p. 67, *sulcata* **sp. n.** Formosa p. 68 figs., KASZAB Stettin. ent. Ztg. **102** 1941.

Arthrodeis murati Rio de Oro p. 500, *mauritanicus* Mauritania p. 501 **spp. n.**, KOCH Mitt. münchn. ent. Ges. **33** 1943.

Arthrodibius bazmanicus see *Capricephalius* ; *A. bidentulus* (*immarginatus*) see *Bulbulus*.

Arthrohyalus **gen. n.** (Erodiinae) p. 490, *sarcinipennis* **sp. n.** Mauritania p. 503, KOCH Mitt. münchn. ent. Ges. **33** 1943.

Ascelosodis (*Orocina* pro parte) *concinnus* Bat. (=*semenowi* Reitt. from *Orocina*) p. 514 ; *assimilis* Bat. (=*punctatissima* Reitt. from *Gnathosia*) p. 515, KOCH t.c.

Asida (*Globasida*) *almeriana* **subsp. n.** *zarcoi* Spain p. 241, KOCH op. cit. **34** 1944.

Asphaltesthes characters p. 276 ; (*Tagenesthes* **subgen. n.** pp. 276, 282) *afrogermanicus* **sp. n.** S.W. Africa p. 282 figs., KOCH op. cit. **31** 1941.

Atoreuma **n. n.** for *Eutoreuma* Carter nec Grote p. 1132, GEBIEN Mitt. münchn. ent. Ges. **31** 1941.

Bancous irregularis morphology pp. 13–15 figs., PAULIAN Rev. franç. Ent. **14**.

Belutschistanops **subgen. n.** see *Pachycera*.

Bius thoracicus F. (=*Tenebrio laevis* Steph.) p. 206 fig., BAYFORD Ent. mon. Mag. **83**.

Blaps lusitanica **subspp. n.** *ceballosi* p. 245, *espanoli* Spain, *méquignoni* France p. 246 ; *sulcata* **subsp. n.** *praedeserta* Tunisia, Algeria p. 249, KOCH Mitt. münchn. ent. Ges. **34** 1944.

Brouniphylax **n. n.** for *Paraphylax* Broun nec Först. p. 98, STRAND Folia zool. hydrobiol. **12** 1943.

Bulbulus bidentulus Fairm. from *Arthrodibius* (=*A. immarginatus* Geb.) p. 507, KOCH Mitt. münchn. ent. Ges. **33** 1943.

Caedius himalayensis Simla p. 119, *birmanicus* Burma p. 121 **spp. n.** figs., KASZAB Arb. morph. taxon. Ent. Berl. **8** 1941.—*C.* key to Oriental spp. p. 24 ; *gebieni* p. 31, *ovalis* p. 32 Ceylon, *chinensis* S. China p. 34, *maderi* Japan p. 35, *formosanus* Formosa p. 39 **spp. n.** figs., KASZAB Mitt. münchn. ent. Ges. **32** 1942.

Camptobrachys **gen. n.** (Mesolampinae) p. 24, *sulcatus* (type) Java p. 25, *pici* Borneo p. 26 **spp. n.**, KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Cantopipleurus **gen. n.** for *Tentyria mesostenoides* Bdi. p. 578, KOCH Mitt. münchn. ent. Ges. **33** 1943.

Capricephalius **gen. n.** for *Arthrodibius bazmanicus* Schuster pp. 492, 508, KOCH t.c.

Cechenosternum rufulum Motsch. (=*nigromaculatum* Geb.); *semirufum* Fairm. from *Platydema* p. 5, KOCH Additam. faun. Coleopt. **4** 1946.

Chrysopeplus **n. n.** for *Leiopeplus* Broun nec Har. [?Murray] p. 755, GEBIEN Mitt. münchn. ent. Ges. **32** 1942.

Cnemandrosus key to E. Asiatic spp. p. 126; *aenescens* Ceylon p. 125, *indicus* India p. 126 **spp. n.**, KASZAB Arb. morph. taxon. Ent. Berl. **8** 1941.—*C.* key to Formosan spp. p. 66; *quadrimaculatus* **sp. n.** Formosa p. 65, KASZAB Stettin. ent. Ztg. **102** 1941.

Cnemeplatia indica **subsp. n.** *calcuttensis* Calcutta p. 43, KASZAB Mitt. münchn. ent. Ges. **32** 1942.—*C. parallela* see *Philhammus sericans*.

Colposcelis (*Colposceloides* **subgen. n.**) *licenti* **sp. n.** Mongolia p. 20, SCHUSTER Koleopt. Rdsch. **26** 1940.

Colposceloides **subgen. n.** (type *licenti* sp. n.) see *Colposcelis*.

Coniontellus inflatus Csy. (=*hystrix* C., *longipennis* C., *ampliatus* C.) p. 214, LA RIVERS Ent. News **58**.

Cophodema **n. n.** for *Cophosoma* Gb. nec Costa p. 402, GEBIEN Mitt. münchn. ent. Ges. **33** 1943.

Cophosoma see *Cophodema*.

Cossyphus minimus **sp. n.** Cameroons p. 134, KASZAB Ann. Mus. hung. **36** (Zool.) 1943.

Cryptobates laosensis Pic in Strongyliinae p. 15, KASZAB op. cit. **34** 1941.—*C. humeralis* see *Strongylium*; *crassecostatus* see *Cryptobrachys*.

Cryptobatoides **gen. n.** (Misolampinae) p. 15, *opaca* (type) p. 16, *gebieni* p. 17 **spp. n.** Borneo, KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Cryptobrachys **gen. n.** for *Cryptobates crassecostatus* Fairm. p. 14, KASZAB t.c.

Cryptostenophanes **gen. n.** (Misolampinae) p. 12, *borneensis* **sp. n.** Borneo p. 13, KASZAB t.c.

Debeauxiella **subgen. n.** see *Pachycera*.

Dendarus (*D.*) *aubei* **subsp. n.** *cazorlensis* Spain p. 254, KOCH Mitt. münchn. ent. Ges. **34** 1944.

Diabolicobates see *Mechanetes*.

Diaperis boleti **var. n.** *fagniezi* France p. 60, MÉQUIGNON Bull. Soc. ent. Fr. **52**.

Dichillus revision of Spanish spp. pp. 190–199, key p. 193 fig., ESPAÑOL Coll. Eos **23**.

Edrotes revision of N. American spp. pp. 318–328; (*Odrotes* **subgen. n.**) *arens* **sp. n.** Arizona p. 320; *ventricosus* Lec. (=*mexicanus* Blaisd., *asperatus* Blaisd.) p. 321, LA RIVERS Ann. ent. Soc. Amer. **40**.

Endustomus cuneiformis, *kittenbergeri* p. 135, *costipennis* p. 136 **spp. n.** E. Africa, KASZAB Ann. Mus. hung. **36** (Zool.) 1943.

Eremobates see *Eremobatodes*.

Eremobatodes **n. n.** for *Eremobates* Gb. nec Banks p. 404, GEBIEN Mitt. münchn. ent. Ges. **33** 1943.

Erodius (*Dirosis*) *gaillardi* Lake Chad p. 252, (*Dimeriseis*) *chudeaui* S. Sahara p. 256, (*D.*) *piestognathoides* Tunis p. 257 **spp. n.**; (*D.*) *bilineatus* **subsp. n.** *rohlfi* Cyrenaica p. 258; (*Dirosis*) *bicarinatus* **subspp. n.** *oranensis* Oran p. 260, *tunesius* Tunis; (*D.*) *elegans* **rr. n.** *hadjouensis* p. 263, *oujdensis* p. 264 Oran; (*D.*) *maroccanus* **sp. n.** p. 264; (*D.*) *reticulatus* **subsp. n.** *rabaticus* p. 266; (*D.*) *granipennis* subsp. *maximus* **var. n.** *hybridus* p. 267; (*E.*) *externus* subsp. *duplex* **var. n.** *triplex* p. 268 Morocco figs., KOCH Mitt. münchn. ent. Ges. **31** 1941.—*E.* (*Dirosis*) *goryi* **subspp. n.** *subobtusus* p. 219, *sevillanus*, *bolivari* p. 220; (*D.*) *parvus* **var. n.** *pseudogory*; (*E.*) *mendizabali* **sp. n.** p. 221 Spain, KOCH op. cit. **34** 1944.

Euphloeus verrucosus Pasc. (=*bigranosus* Fairm., *Osdara granosa* All.) p. 35 fig., KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Eutoreuma see *Atoreuma*.

Falsobates **gen. n.** (Mesolampinae), *xántusi* **sp. n.** Borneo p. 27, KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Falsonannocerus **gen. n.** (nr. *Nannocerus*), *dentaticeps* **sp. n.** Ivory Coast p. 150, PIC Bull. Soc. ent. Fr. **51**.

Fourtaus see *Hegeterocara*.

Freyitia **gen. n.** (nr. *Pachycera*), *ornatipes* **sp. n.** Ceylon, India p. 525 fig., KOCH Mitt. münchn. ent. Ges. **33** 1943.

Gebienella **gen. n.** (Misolampinae), *interrumpens* **sp. n.** Malacca p. 21, KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Gnathosia punctatissima see *Asceloso-dis assimilis*.

Gnopnota cribricollis, inaequalis, punctipennis see *Uyttenboogaartia.*

Gonocephalum hasticolle Chat., *brevicorne* Chat., *subspinosum* Fairm., *spinicolle* Chat. from *Hasticollinum* p. 18, Kaszab Mitt. münchn. ent. Ges. **32** 1942.

Gyriosomus revision of S. American **spp.** pp. 135–194 ; *parvus* Sol. (=*incertus* Sol.) p. 160 ; *planicollis* Peru (with **f. n.** *major* Chile) p. 163, *penicilliger* p. 181, *freyi* p. 184 Chile **spp. n.** figs., Gebien Mitt. münchn. ent. Ges. **34** 1944.

Haemodus **n. n.** for *Haemus* Pér. nec Stål p. 904, Gebien op. cit. **33** 1943.

Haemus see *Haemodus.*

Hasticollinum hasticollis, brevicorne, subspinosum, spinicolle see *Gonocephalum.*

Hegeter of the Canary Is. pp. 536–549, Uyttenboogaart Mitt. münchn. ent. Ges. **32** 1942.

Hegeterocara Rtt. (=*Fourtaus* Pic), *arabica* Rtt. (=*brevicornis* Pic) p. 294, Koch Mitt. münchn. ent. Ges. **31** 1941.

Hemicera key to spp. of Formosa p. 64 ; *tenuestriata, gebieni* p. 61, *foveoseriata* p. 63 **spp. n.** Formosa, Kaszab Stettin. ent. Ztg. **102** 1941.

Heterotarsus crenulifer p. 58, *urbahni* p. 59 **spp. n.** Formosa figs., Kaszab t.c.

Homala polita **subsp. n.** *tschadensis* Etambar p. 580, Koch Mitt. münchn. ent. Ges. **33** 1943.

Hyperops a subgen. of *Pachycera*, q.v.

Hyperopsis **subgen. n.** see *Pachycera.*

Ibn-saudia **gen. n.** (Tentyriinae), *propheta* **sp. n.** Hedjaz p. 290 fig., Koch Mitt. münchn. ent. Ges. **31** 1941.

Indianosis **subgen. n.** (type *capitata* sp. n.) see *Stenosis.*

Indochillus **gen. n.** (Stenosinae), *cristatus* **sp. n.** India p. 300, Koch Mitt. münchn. ent. Ges. **31** 1941.

Kaszabiella **subgen. n.** (type *subhemisphaerica* sp. n.) see *Thalpophila.*

Lariversius **gen. n.** p. 59, *tibialis* **sp. n.** Nevada p. 61 figs., Blaisdell Pan-Pacif. Ent. **23.**

Leiochrodes africanus **sp. n.** Tanganyika p. 185, Kaszab Arb. morph. taxon. Ent. Berl. **8** 1941.

Leiopeplus see *Chrysopeplus.*

Lepidocnemeplatia székessyi **sp. n.** Burma p. 41, Kaszab Mitt. münchn. ent. Ges. **32** 1942.

Mantichorula mongolica **sp. n.** Mongolia p. 23, Schuster Koleopt. Rdsch. **26** 1940.

Martianus re-description p. 81 ; *ceto* New Guinea p. 83, *semele* New South Wales p. 88 **spp. n.** ; key to non-Australian spp. p. 86 ; *xamiaphila* Cart. from *Alphitobius* ; *deplanatum* Champ., *bicinctum* Champ., *heroni* Cart., p. 87, *rufibase* Cart., *pascoei* Macl. p. 88 from *Platydema* figs., Hinton Ann. Mag. n.H. (11) **14.**

Mechanetes Waterh. (=*Diabolicobates* Pic) p. 9 ; *tuberculipennis* (as *platitubera* p. 43) **n. n.** for *cornutus* Pic nec Waterh. p. 10, Kaszab Ann. Mus. hung. **34** (Zool.) 1941.

Melambius systematic notes on Moroccan spp. of subgen. *Hoplariobius* pp. 51–57 ; *antoinei* Koch a subsp. of *hassani* Ant. p. 52 ; *inermis* Escal. (=*jeanneli* Koch) p. 53 ; *kocheri* **sp. n.** p. 54 ; *angulatus* **subsp. n.** *kochi* p. 55 Morocco ; *escalerai* Koch a subsp. of *bedeli* Escal. ; *b.* key to ff. (with **ab. n.** *conformis* Morocco p. 57) p. 56, Antoine Bull. Soc. H.n. Afr. N. **37.**

Melarachnica see *Rhytinota* (*Nemapus*).

Melobates **gen. n.** (Mesolampinae), *birói* **sp. n.** Malacca p. 23, Kaszab Ann. Mus. hung. **34** (Zool.) 1941.

Mesostena suppl. to revision pp. 557–572 ; (*Mesostenopa*) *carinata* **subsp. n.** *interrupta* locality unknown p. 558 ; (*M.*) *auberti* **subsp. n.** *delarüei* Fr. Somaliland p. 559 ; (*M.*) *perimensis* Red Sea p. 563, (*M.*) *microps* Abyssinia p. 565, (*Kokeniella*) *perforalva* India p. 568 (with **subsp. n.** *luristana* Iran p. 570) **spp. n.**, Koch Mitt. münchn. ent. Ges. **33** 1943.

Microdera (**subgen. n.** *Tentyrodera* p. 572) *marginata* **subspp. n.** *brandti* Iraq p. 573, *pérezi* Arabia p. 574 ; *evansi* Blair (from *Rhytinota*) a race of *marginata* Bdi. p. 572, Koch t.c.—*M.* (*M.*) *ordossica* **sp. n.** Mongolia p. 21, Schuster Koleopt. Rdsch. **26** 1940.

Micrositus embergeri see *Otinia iblanensis.*

Misolampidius tentyrioides Sols. (=*molytopsis* Mars.) p. 6, Kaszab Ann. Mus. hung. **34** (Zool.) 1941.

Misolampomorphus **gen. n.** (Misolampinae) p. 6, *kochi* **sp. n.** China p. 7, KASZAB t.c.

Mitotagenia revision pp. 37–42; *gridelli* E. Africa p. 39, *aegyptiaca* Egypt, *biroi* Arabia p. 40, *kaszabi* Fr. Somaliland p. 42 **spp. n.** figs., KOCH Mem. Soc. ent. ital. **20** 1941.

Morphostenophanes aenescens varr. *diversus* Pic, *subparallelus* Pic not valid varr. p. 10; *papillatus* **sp. n.** China p. 11 figs., KASZAB Ann. Mus. hung. (Zool.) **34** 1941.

Myrmecodema **n. n.** for *Myrmecosoma* Germ. nec Mannh. p. 402, GEBIEN Mitt. münchn. ent. Ges. **33** 1943.

Myrmecosoma see *Myrmecodema*.

Nephodes see *Nephodinus*.

Nephodinus **n. n.** for *Nephodes* Blanch. nec Schönh. p. 900, GEBIEN Mitt. münchn. ent. Ges. **33** 1943.

Nothrocerus cylindricornis Fairm. (=*Perdicus anthrophilus* Reym.) p. 590, KOCH Mitt. münchn. ent. Ges. **33** 1943.

Notiophygus dregei **sp. n.** S. Africa p. 131; *nigrodorsalis*, *hamulus* characters p. 132; *nivitarsus* p. 134, *livens* further descriptions; *denticulatus* figured p. 135 figs., JOHN Arb. morph. taxon. Ent. Berl. **8** 1941.

Obriomaia palpalis **sp. n.** Formosa p. 64, KASZAB Stettin. ent. Ztg. **102** 1941.

Odrotes **subgen. n.** (type *arens* sp. n.) see *Edrotes*.

Oncopterus see *Oncopteryx*.

Oncopteryx **n. n.** for *Oncopterus* Fairm. nec Steindachner p. 905, GEBIEN Mitt. münchn. ent. Ges. **33** 1943.

Oogeton **gen. n.** (Amarygminae) p. 69, *nigrocoeruleum* **sp. n.** Formosa p. 70 fig., KASZAB Stettin. ent. Ztg. **102** 1941.

Opatrinus revision of African spp. pp. 37–52; *setuliger* **subsp. n.** *camerunensis* Cameroons p. 44; *attenuatus* **subsp. n.** *bottegoi* E. Africa p. 45; *latipes* **subsp. n.** *tanaensis* Lake Tana p. 47; *insularis* **subsp. n.** *somalicus* Somalia p. 51 figs., GRIDELLI Atti Mus. Stor. nat. Trieste **16**.

Opatrum criticism of Koch's revision of Moroccan spp. pp. 57–59; *talboti* Koch, *megalatlanticum* Koch subspp. of *simplicius* Escal.; *rhaticum* Ant. (=*ualdunum* Koch) p. 59, ANTOINE Bull. Soc. H.n. Afr. N. **37**.

Orocina synonymy discussed pp. 513–516, KOCH Mitt. münchn. ent. Ges. **33** 1943.—*O. semenowi* see *Ascelosodis concinnus*.—Cf. also *Ascelosodis*, *Syachis*.

Osdara (*Spinosdara* **subgen. n.** p. 33), *picipes* Wlk. (=*irregularis* var. *bicoloripes* Pic); *walkeri* Blair (=*irregularis* Pic) p. 34 fig., KASZAB Ann. Mus. hung. **34** (Zool.) 1941.—*O. metallica* see *Spheneuphloeus*; *granosa* see *Euphloeus verrucosus*.

Otinia iblanensis Ant. (=*Micrositus embergeri* Koch) p. 51, ANTOINE Bull. Soc. H.n. Afr. N. **37**.

Oxycara (**subgen. n.** *Symphoxycara* Arabia p. 577), KOCH Mitt. münchn. ent. Ges. **33** 1943.

Pachycera revision pp. 516–557, key to subgenn. and allied genn. p. 522; (*Belutschistanops* p. 523, *Pachycerops*, *Debeauxiella*, *Hyperopsis* p. 524 **subgenn. n.**); *Hyperops* reduced to subgen. p. 528; (*Hyperopsis*) *colasi* p. 538, (*H.*) *kaszabi* p. 539 (with **r. n.** *laticollis*), (*H.*) *robusticornis* p. 541, (*H.*) *femoralis* p. 542, (*H.*) *nativa* p. 544, (*Debeauxiella*) *angulophthalma* p. 550, (*D.*) *caprai* p. 551; (*Hyperops*) *transversiceps* p. 556 **spp. n.** India figs., KOCH t.c.

Pachycerops **subgen. n.** (type *insidiosa* Fairm.) see *Pachycera*.

Pachychila (*P.*) *bremondi* **sp. n.** Morocco p. 286, KOCH Mitt. münchn. ent. Ges. **31** 1941.—*P. freyi* **sp. n.** Spain p. 223, KOCH op. cit. **34** 1944.

Palorus fuhoshoanus **sp. n.** Formosa p. 56, KASZAB Stettin. ent. Ztg. **102** 1941.

Paracirta schatzmayri **subsp. n.** *algirica* Algeria p. 293, KOCH Mitt. münchn. ent. Ges. **31** 1941.

Paraphylax see *Brouniphylax*.

Pedinus fodori p. 161, *skékessyi* p. 163 **spp. n.** Greece figs., KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Pelecypalpus **gen. n.** (Diaperini) p. 91, key to spp. p. 92; *colophon* p. 93, *medon* p. 96 (type) New Guinea, *apharaeus* Malay Penin. p. 95 **spp. n.** figs., HINTON Ann. Mag. n.H. (11) **14**.

Perdicus Fairm. from Tentyriini to Stenosiini p. 587, KOCH Mitt. münchn. ent. Ges. **33** 1943.—*P. anthrophilus* see *Nothrocerus cylindricornis*.

Periphanes see *Periphanodes*.

Periphanodes **n. n.** for *Periphanes* Fairm. nec Hübn. p. 902, GEBIEN Mitt. münchn. ent. Ges. **33** 1943.

Philhammus sericans Fairm. (=*Cnemeplatia parallela* Théry not a syn. of subsp. *aharoni* Reitt.) p. 6, KOCH Additam. faun. Coleopt. **4** 1946.

Pimelia lendli **sp. n.** Asia Minor p. 4 figs., KASZAB Folia ent. hungar. **5** 1940. —*P.* (*P.*) *ciliaticornis* **sp. n.** Arabia p. 307; *derasa* r. *barcana* **n. n.** for *tricostata* Koch nec Geb. p. 311, KOCH Mitt. münchn. ent. Ges. **31** 1941.

Platydema semirufum see *Cechenosternum*; *P. lilliputanum* see *Alphitophagus bifasciatus*; *P. deplanatum, bicinctum, heroni, rufibase, pascoei* see *Martianus*.

Polycoelagastridion key to Indomalaysian spp. p. 14; *tenuipes* **sp. n.** India p. 16 fig., KASZAB Mitt. münchn. ent. Ges. **32** 1942.

Prorhytinota **subgen. n.** see *Rhytinota*.

Psammocryptus prosternalis India p. 581, *bayeri* Transcaspia p. 583 **spp. n.**, KOCH Mitt. münchn. ent. Ges. **33** 1943.

Pseudoblaps gebieni **sp. n.** India p. 122 fig., KASZAB Arb. morph. taxon. Ent. Berl. **8** 1941.

Ptyophis macrophylla see *Tetraphyllus paulseni*.

Reichardtiella **gen. n.** (Opatrinae) p. 18, *armata* (type) N. India p. 19, *tibetana* Tibet p. 21 **spp. n.** fig., KASZAB Mitt. münchn. ent. Ges. **32** 1942.

Rhammatodes characters p. 276, key to known spp. p. 278; (*R.*) *kuntzeni* Angola p. 283 (a synonym of *quadricollis* Fairm. **33** 1943 p. 587), (*Tagenodes*) *tagenesthoides* p. 285 **spp. n.**; (*Euleantus*) *humeralis* **subsp. n.** *subcostatus* p. 280 S.W. Africa; (*E.*) *carinatus* **subsp. n.** *striatulus* Angola p. 281 figs., KOCH Mitt. münchn. ent. Ges. **31** 1941.

Rhydimorpha **subgen. n.** (type *subfossulata* Sol.) see *Rhytinota*.

Rhytinopsis **subgen. n.** see *Thalpophila*.

Rhytinota revision of African and Indian spp. pp. 759–866, key p. 760; (*Prorhytinota* p. 761, *Rhydimorpha* p. 768, *Rhytistena* p. 769 **subgenn. n.**); (*P.*) *gravidula* Gerst. (=*laevis* Kr.); (*P.*) *praelonga* Reiche (=*baudii* Gred.); (*Sphenariopsis* Kr. a subgen. not a syn. of *Rhytinota* p. 853) *laticollis* Schauf. (=*brevis* Kr., *tentyrioides* Fairm.) p. 791; (*Nemapus*) (=*Melarachnica* Kr.) *coromandelensis* Sol. (=*ovipennis* Fairm., *immarginata* Kr., *westermanni* Kr.); (*Rhydimorpha*) *subfossulata* Sol. (=*rugipennis* Kr., *pubens* Fairm., *pilicollis* Kr.); *undulata* Kr. a subsp. of *plicata* Kr.; *meruensis* Geb. a subsp. of *praelonga* Rche.; *kokeni* Reitt., *indica* Schauf. subspp. of *tristis* Kr.; *laevipennis* Fairm. from *Melarachnica*; *tristis* Kr. from *Pachycera* and not a syn. of *P. buprestoides* F. p. 792; (*Prorhytinota*) *praelonga* **subspp. n.** *desertica* Sahara p. 805, *humerangula* Fr. Somaliland, Abyssinia p. 806, *hirundo* Uganda, Kenya, Abyssinia p. 809, *pseudohumerangula* E. Africa, **var. n.** *exlimbata* Abyssinia p. 810; (*P.*) *stupida* **subsp. n.** *continentalis* Uganda, Kenya p. 819; (*P.*) *gravidula* **subsp. n.** *delkeskampi* p. 828; (*P.*) *acuticollis* **subsp. n.** *nyassica* p. 831 E. Africa; (*Rhytinota*) *scabriuscula* **var. n.** *bogosensis* Eritrea p. 833; (*Rhytinota*) *plicata* **subsp. n.** *congoensis* Belg. Congo p. 835; (*Rhytistena*) *gracillima* **subsp. n.** *lesnei* Zambesi, Nyasaland p. 842; (*Rhytistena*) *gracilis* **subsp. n.** *jeanneli* Kenya p. 848; (*S.*) *tristis* **subsp. n.** *belutschistana* Baluchistan p. 856; (*P.*) *somalica* Somaliland p. 815, (*P.*) *basimpressa* Abyssinia p. 820 (with **subsp. n.** *limbata* Somaliland p. 822), (*P.*) *machulkai* Kenya p. 823, (*Rhytistena*) *gridellii* Somaliland p. 840, (*Rhytistena*) *opaciviridis* Nyasaland p. 848, (*Rhytistena*) *aeneipennis* Tanganyika p. 850, (*Rhytistena*) *colasi* E. Africa p. 851 (with **subsp. n.** *aethiopica* Abyssinia p. 853), (*S.*) *sculpticornis* India p. 857 **spp. n.** figs., KOCH Mitt. münchn. ent. Ges. **33** 1943.—*R. evansi* see *Microdera marginata* race *evansi*; *fossulata, foveolata* see *Thalpophila*.

Rhytistena **subgen. n.** see *Rhytinota*.

Scleron key to Indomalaysian spp. p. 8; *bengalensis* p. 10, *fodori* p. 11 **spp. n.** India, KASZAB Mitt. münchn. ent. Ges. **32** 1942.

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Somalammodes **gen. n.** (Erodiinae) p. 500, *delarüei* **sp. n.** Fr. Somaliland p. 510, KOCH Mitt. münchn. ent. Ges. **33** 1943.

Sphaerotidius **gen. n.** (Mesolampinae) p. 38, *duplicatus* (type) p. 39, *strigicollis* p. 40 **spp. n.** Philippines, KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Sphenariopsis a subgen. of *Rhytinota*, q.v.

Spheneuphloeus **gen. n.** for *Osdara metallica* Pic p. 35, KASZAB t.c.

Sphenolampidius **gen. n.** (Mesolampinae) p. 40, *hemisphaericus* **sp. n.** Philippines p. 41, KASZAB t.c.

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Spinosdara **subgen. n.** see *Osdara*.

Stenophanes mesostena Sols. (=*rubripennis* Mars., *trigipennis* Mars., *strigipennis cloii* Kôno) p. 12, KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Stenosis (*S.*) *kuntzeni* Bukhara p. 295, (*Indianosis* **subgen. n.**) *capitata* India p. 297 **spp. n.** figs., KOCH Mitt. münchn. ent. Ges. **31** 1941.—*S. zarcoi* **sp. n.** Spain p. 186 fig., ESPAÑOL COLL Eos **23**.

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Tanchyrus horni **sp. n.** Ceylon p. 42, KASZAB Ann. Mus. hung. **34** (Zool.) 1941.

Temnophthalmus ivoirensis **sp. n.** Ivory Coast p. 150, PIC Bull. Soc. ent. Fr. **51**.

Tenebrio molitor L. variation; *laticollis* Steph. a var. of *m.* p. 207 figs., BAYFORD Ent. mon. Mag. **83**.—*T. laevis* see *Bius thoracicus*.

Tentyria weidemanni **ab. n.** *polita*, **var. n.** *sinuatocollis* Asia Minor p. 3, KASZAB Folia ent. hungar. **5** 1940.—*T. castro-gironoi* status, synonymy p. 289, KOCH Mitt. münchn. ent. Ges. **31** 1941.—*T.* (*Subtentyrina*) *peiroleri* **subsp. n.** *castiliana* p. 226; (*S.*) *eulipoides* p. 229, (*S.*) *aragonica* p. 231 **spp. n.**; (*S.*) *curculionides* **subsp. n.** *jordani* p. 229; (*S.*) *bassii* **subspp. n.** *cantabrica*, *gredosana* p. 230 Spain, *meridionalis* Portugal; (*T.*) *incerta* **subsp. n.** *pseudolaevis* Spain p. 231, KOCH Mitt. münchn. ent. Ges. **34** 1944. —*T. mesostenoides* see *Cantopipleurus*.

Tentyrodera **subgen. n.** (type *marginata* Bdi.) see *Microdera*.

Tetranosis anomala Fairm. status discussed p. 300, KOCH Mitt. münchn. ent. Ges. **31** 1941.

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Trigonopoda sachtlebeni **sp. n.** Ceylon p. 118, KASZAB Arb. morph. taxon. Ent. Berl. **8** 1941.—*T.* key to Oriental spp. p. 23; *minuta* **sp. n.** India p. 29 fig., KASZAB Mitt. münchn. ent. Ges. **32** 1942.

Typhlophloeus **gen. n.** (Ulominae) p. 51, *chappuisi* **sp. n.** Kenya p. 52, larva p. 54 figs., JEANNEL & PAULIAN Mém. Mus. H.n. Paris (N.S.) **19** 1945.

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Cistelomorpha nigripilis Formosa p. 154, *interstitialis* Indo-China p. 155 **spp. n.**, BORCHMANN t.c.

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Cerocoma mühlfeldi **ab. n.** *malatyensis,* **var. n.** *pátkaii* p. 679; *vasvárii* **sp. n.** p. 680 Asia Minor figs., KASZAB Math. term. Ert. **60** 1941.—*C.* revision pp. 78–101, key p. 82; *scovitzii* **abb. n.** *obscuriventris* Caucasus, Iran, *maculicollis* Iran p. 93, *intermedia* Anatolia, *jurečeki* Syria p. 94; *štěrbai* Iran p. 95, *macedonica* S. Bulgaria, Asia Minor p. 98, *graeca* Greece, Crete p. 99; *gloriosa* **ab. n.** *kaszabi* Asia Minor p. 96; *mühlfeldi* **ab. n.** *imitatrix* S. Bulgaria p. 100, MAŘAN Věstn. České zool. Společ. Praze **9** 1944.

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Bromesia **gen. n.** (Baridinae), *atrata* (type) p. 336, *rufirostris* p. 337 **spp. n.** Brazil, BONDAR Rev. Ent. Rio de J. **17.**

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Calomycterus jucundus **sp. n.** Manchuria p. 208, Voss Mitt. münchn. ent. Ges. **33** 1943.

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Canephorus see *Canephorulana.*

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Ceuthorrhynchus (*Parethelcus* **28** 1943 p. 141; *Neoglocianus* p. 129, *Datonychus* p. 132, *Boraginobius* p. 133, *Microplontus* p. 134 **29** 1944; *Ranunculiphilus* **30** 1944 p. 142 **subgenn. n.**), WAGNER Koleopt. Rdsch.—*C. pulvinatus* revision of Swedish spp. of group pp. 55–66 figs., NYHOLM Ent. Tidskr. **68.**

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Coniatus (*Bagoides*) key to spp. p. 70; (*B.*) *kuntzei* Egypt p. 68, (*B.*) *iranensis* Iran p. 70 **spp. n.**, Voss Arb. morph. taxon. Ent. Berl. **10** 1943.

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Conotrachelodes and allied genn. characters p. 208; (*Aphyrdenus* **subgen. n.** p. 214); (*C.*) *triangulus* p. 249, (*A.*) *signifer* p. 252, (*A.*) *exasperatus* p. 254 Brazil, (*C.*) *univestris* p. 250, (*C.*) *carinirostris* p. 251, (*A.*) *costaricensis* p. 253 Costa Rica **spp. n.** figs., Voss Arb. morph. taxon. Ent. Berl. **8** 1941.

Conotrachelus championi **n. n.** for *albifrons* Fiedl. nec Champ. p. 848; *coronifer* **n. n.** for *coronatus* F. nec Lec.; *curabilis* **n. n.** for *picticollis* F. nec Champ.; *cymba* **n. n.** for *ferrugineus* Hust. nec Kirsch p. 849; *homonymus* **n. n.** for *eburneus* F. nec Champ.; *hustachei* **n. n.** for *tibialis* F. nec Hust. p. 851; *pascoei* **n. n.** for *crassus* F. nec Pasc.; *repetitio* **n. n.** for *lutulentus* F. 1940 p. 358 (nec p. 92) p. 853, BLACKWELDER Bull. U.S. nat. Mus. no. 185.—*C.* key to N. American spp. associated with *Hicoria* p. 43; *pecanae* **sp. n.** Louisiana p. 50 figs., BUCHANAN Proc. ent. Soc. Wash. **49**.

Conus see *Conilla*.

Coptorrhynchus drescheri **sp. n.** Celebes p. 281, Voss Arb. morph. taxon. Ent. Berl. **7** 1940.—*C. gibbus* figured p. 152, HELLER Arb. morph. taxon. Ent. Berl. **8** 1941.

Copturomimus perseae **sp. n.** Colombia p. 189, early stages p. 193 figs., HUSTACHE in MORENO Rev. Fac. nac. Agron. Medellín **7**.

Corimalia pallidula **ab. n.** *veneta* Italy p. 79, BURLINI Boll. Soc. ent. ital. **76** 1946.

Cossonus (*C.*) *schlüteri* **sp. n.** Fernando Po p. 25, Voss Arb. morph. taxon. Ent. Berl. **9** 1942.

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Cryptorhynchus insanius Boh., *guttifer* Boh. from *Staseas* p. 30, FIEDLER Stettin. ent. Ztg. **103** 1942.—*C. difficilis*, *ochroleucus*, *fasciculosus*, *cavernosus* see *Staseas*.

Curculio modestus Japan p. 897, *maculagrisea* p. 898 **spp. n.** China, Voss Mitt. münchn. ent. Ges. **31** 1941.—See *Balaninus*.

Cyamobolus tragopoides **sp. n.** Java p. 102, HELLER Arb. morph. taxon. Ent. Berl. **7** 1940.

Cylindrocorynus key to American spp. p. 4; *conicollis* Brazil, Venezuela, Fr. Guiana, Colombia p. 6, *dentiferus* Colombia p. 8, *griseobrunneus* p. 9, *bicoloratus* p. 10, *umbrinus* p. 12 Brazil, *variegatus* Mexico p. 9, *rotundicollis* Huigra [? Chile] p. 11 **spp. n.**, FIEDLER Arb. morph. taxon. Ent. Berl. **10** 1943.

Cylindrothecus key to S. American spp. p. 651; *fasciculatus* p. 662, *variegatus* p. 664, *semibrunneus* p. 665, *griseomaculatus* (also Paraguay) p. 666, *fulvonotatus* p. 667, *apicalis* p. 668, *ciliatus* p. 670, *morosus* p. 671, *rotundicollis* p. 672, *semifasciatus*, *foraminosus* p. 673 Brazil, *humeralis* Peru p. 663, *constratus* Fr. Guiana, Colombia p. 667, *subcostatus* Bolivia p. 669, **spp. n.**, FIEDLER Mitt. münchn. ent. Ges. **32** 1942.

Cyphus chlorostomus see *Litostylodes*.

Datonychus **subgen. n.** see *Ceuthorrhynchus*.

Demimaea okuboana **sp. n.** Japan p. 222, Voss Mitt. münchn. ent. Ges. **33** 1943.

Depasophilus (*Pseudodepasophilus*) *blandulus* **sp. n.** Fukien p. 95 fig., Voss op. cit. **32** 1942.

Deporaus (*Odontodeporaus*) *spinipes* Mindanao p. 133, (*Platyrhynchites*) *laminatus*, (*P.*) *niger* p. 135, (*P.*) *depressirostris* p. 137, (*P.*) *inflatus* p. 138 Borneo, (*P.*) *robertsi* India p. 136, (*Hypodeporaus*) *gilviventris* Tonkin p. 139, (*H.*) *subtilis* China p. 140, Voss Stettin. ent. Ztg. **102** 1941.—*D. flaviventris* India, Burma p. 131, (*D.*) *bicolor* China p. 133, (*Exrhynchites* **subgen. n.**) *tumidus* p. 142, (*E.*) *luctuosus* p. 146, (*Pseudodeporaus*) *coerulescens* p. 148 India, (*E.*) *subclathratus* Indo-China p. 147, (*P.*) *ceylonensis* Ceylon p. 150, (*P.*) *kolbei* New Guinea p. 151, (*P.*) *mysolensis* Mysol p. 153 **spp. n.** figs., Voss op. cit. **103** 1942.—*D.* (*Capylarodepus*) *klapperichi* p. 244, (*Arodepus*) *fukienensis* p. 245 **spp. n.** China, Voss Mitt. münchn. ent. Ges. **31** 1941.—*D.* (*Arodepus*) *atrorufus* (with **f. n.** *femorata*) p. 97, (*Hypodeporaus*) *parvicollis* p. 98, (*Exrhynchites*) *amplicollis* p. 99 **spp. n.** Fukien, Voss op. cit. **32** 1942.—*D.* (*Hypodeporaus*) *pauculus* **sp. n.** Manchuria p. 117, Voss Arb. morph. taxon. Ent. Berl. **8** 1941.

Deretiosoma **gen. n.** (Ithyporini), *overbecki* **sp. n.** Java p. 101 figs., Heller Arb. morph. taxon. Ent. Berl. **7** 1940.

Deretiosus molitor Java, *sellatus* Formosa **spp. n.** p. 100, Heller t.c.

Diaphna signata Pasc. (a syn. of *albosignum* Boh.) designated type p. 261; *sexspinosa* **sp. n.** Cape Province p. 259 fig., Marshall Ann. Mag. n.H. (11) **13.**

Dichorrhinus freyi **sp. n.** (with **ab. n.** *roseus*) Cyrenaica p. 74, Solari Mem. Soc. ent. ital. **19** 1940.

Dichotrachelus augusti **sp. n.** Italy p. 10; *knechti* Stierl. a var. of *stierlini* Gredl. p. 12, Solari Boll. Soc. ent. ital. **76** 1946.—*D.* notes on some Italian spp. pp. 31–32; *walteri* **sp. n.** Italy p. 32 fig., Barajon Atti Soc. ital. Sci. nat. **86.**

Doleropus **gen. n.** (Brachyderinae) p. 46, *apterus* **sp. n.** Cuba p. 47 figs., Buchanan Mem. Soc. cubana H.n. **19.**

Dyslobus liliphagus **sp. n.** Oregon p. 39 figs., Ting Bull. Calif. Dep. Agric. **36.**

Elattocerus eritreensis **sp. n.** Eritrea p. 247, Marshall Ent. mon. Mag. **83.**

Ellimenistes munroi **sp. n.** Natal p. 252, Marshall Ann. Mag. n.H. (11) **13.**—*E. humeralis* p. 198, *basalis* p. 199, *bicornis* p. 200, *pumilus* p. 201, *notatus*, *plagiatus* p. 202, *vicinus* p. 203, *criniger* p. 204 **spp. n.** S. Africa, Marshall op. cit. (11) **14.**

Elytrocoptus characters p. 13, key to American spp. p. 14; *bicaudatus* p. 18, *sulcifrons* p. 19 **spp. n.** Brazil, Fiedler Arb. morph. taxon. Ent. Berl. **10** 1943.

Enaptorrhinus alini **sp. n.** Manchuria p. 110, Voss Arb. morph. taxon. Ent. Berl. **8** 1941.

Eubulus costicollis **sp. n.** Colombia p. 54, Voss Rev. Ent. Rio de J. **18.**

Eudyasmodes **gen. n.** (Cryptorrhynchinae), *heurni* **sp. n.** New Guinea p. 213 fig., Heller Arb. morph. taxon. Ent. Berl. **9** 1942.

Eugeonemus **gen. n.** for *Geonemus robustus* Perr. (type), *irregularis* Perr., *aureosquamosus* Duval, *alternans* Boh. p. 44, Buchanan Mem. Soc. cubana H.n. **19.**

Eugnamptus (*Eugnamptobius*) *fukienensis* **sp. n.** Fukien p. 90, Voss Mitt. münchn. ent. Ges. **32** 1942.

Eumagdalis (*Falsomagdalis*) *chilensis* **sp. n.** Chile p. 201, Voss Arb. morph. taxon. Ent. Berl. **8** 1941.

Eumycterus albonotatus **sp. n.** Senegal p. 188, Hustache Bull. Inst. franç. Afr. noire **4.**

Euops (*Synaptops*) *lespedezae* **f. n.** *cuprinipennis* Manchuria p. 118, Voss Arb. morph. taxon. Ent. Berl. **8** 1941. —*E.* (*E.*) *nitidicollis* p. 101, (*Synaptops*) *cuprifulgens* p. 102 **spp. n.** Fukien, Voss Mitt. münchn. ent. Ges. **32** 1942.

Eupagoderes key to N. American spp. p. 492; *desertus* Horn (=*giganteus* Chitt.) p. 494; *griseus* p. 498, *aeneus* p. 500, *robustus* p. 503 **spp. n.**; *mortivallis* **var. n.** *approximatus* U.S.A. figs., Davis Proc. U.S. nat. Mus. **96** no. 3207.

Eupholus mamberamonis **sp. n.** New Guinea p. 210 fig., Heller Arb. morph. taxon. Ent. Berl. **9** 1942.

Eurycorynes jansonianus further description p. 62 figs., Voss Arb. morph. taxon. Ent. Berl. **9** 1942.

Eusynnada (*Persynnada*) *ceylonica* **sp. n.** Ceylon p. 165, Voss op. cit. **10** 1943.

Exrhynchites **subgen. n.** see *Deporaus*.

Fryella quadrituberculata Hust. (= *Bignonibaris mutilatus* Bond.) p. 294, BONDAR Rev. Ent. Rio de J. **18.**

Geonemus robustus, irregularis, aureosquamosus, alternans see *Eugeonemus*.

Geraeus gaucho **sp. n.** Brazil p. 334, BONDAR Rev. Ent. Rio de J. **17.**

Gladosius antennalis p. 333, *tenebrosus* p. 334 **spp. n.** Brazil, BONDAR t.c.

Graphognathus raised to genus, key to spp. p. 19; *leucoloma* list of races (with **rr. n.** *fecundus, imitator* U.S.A.) p. 21 figs., BUCHANAN J. Wash. Acad. Sci. **37.**

Graphonotus key to S. American spp. p. 216; *bivittatus* (also Venezuela) p. 220, *apicepunctatus* p. 221, *sextuberculatus* p. 222 Colombia, *posticatus* p. 223, *griseus, atrofulvus* p. 224 Brazil, *geminus* British Guiana p. 225 **spp. n.**, FIEDLER Arb. morph. taxon. Ent. Berl. **9** 1942.

Gronopidius **gen. n.** for *Gronops jekeli* Allard p. 82, SOLARI Mem. Soc. ent. ital. **19** 1940.

Gronops luctuosus **subsp. n.** *andreinii* Tripolitania p. 89, SOLARI t.c.—*G. brandti* **sp. n.** Iran p. 219; *aequalis* **f. n.** *distincta* China p. 220, Voss Mitt. münchn. ent. Ges. **33** 1943.—*G. jekeli* see *Gronopidius*; *inaequalis* see *Asperogronops*; *sibiricus* see *Brachygronops*.

Gyratogaster discretus **sp. n.** Asia Minor, Syria p. 212, Voss Mitt. münchn. ent. Ges. **33** 1943.

Heilipus stempelmanni **sp. n.** Argentina p. 226, Voss Arb. morph. taxon. Ent. Berl. **10** 1943.

Heisonyx **gen. n.** (Brachyderinae), *vitticollis* **sp. n.** S. Africa p. 206, MARSHALL Ann. Mag. n.H. (11) **14.**

Heterosirocalus **subgen. n.** (type *floralis* Pk.) see *Neosirocalus*.

Hipporrhinus bipunctatus p. 255, *furtivus* p. 257, *simus* p. 258 **spp. n.** S. Africa figs., MARSHALL Ann. Mag. n.H. (11) **13.**

Homalocerus key to S. American spp. p. 275; *zikani* p. 276, *xixim* p. 277 **spp. n.** Brazil, BONDAR Rev. Ent. Rio de J. **18.**

Hoplopactus ochreatus **sp. n.** Bolivia p. 28, HUSTACHE Rev. Soc. ent. argent. **13.**

Horridorhinus **gen. n.** for *Rhytirhinus horridus* Lucas p. 81, SOLARI Mem. Soc. ent. ital. **19** 1940.

Hypocoeliodes ferrugineus Hust., *carinirostris* H., *cristulatus* H. from *Cnemogonus*; *obscurus* H. a var. of *bruchi* H. from *Coeliodes* p. 444; *nigroscutatus* (with **var. n.** *bolivianus* Bolivia), *arcuatus* p. 446, *sextuberculatus* p. 448, *asperatus* p. 449, *suturalis* p. 450 Brazil, *vinosus* Bolivia p. 447, *modestus* Argentina p. 451 **spp. n.**, HUSTACHE Rev. Ent. Rio de J. **17.**

Ixalma tuberculifera **sp. n.** China p. 899 fig., Voss Mitt. münchn. ent. Ges. **31** 1941.

Laemosaccidius **gen. n.** (Magdalinae), *alini* **sp. n.** Manchuria p. 112; *exarata* Bris. from *Magdalis* p. 115 figs., Voss Arb. morph. taxon. Ent. Berl. **8** 1941.

Laemosaccus drewsi **sp. n.** Brazil p. 293, BONDAR Rev. Ent. Rio de J. **18.**

Lalagetes nanus p. 253, *parcus* p. 254 **spp. n.** S. Africa, MARSHALL Ann. Mag. n.H. (11) **13.**—*L. subfrenatus* **sp. n.** S. Rhodesia, Transvaal p. 205, MARSHALL op. cit. (11) **14.**

Lamprocyphus jacobi **sp. n.** Paraguay, Brazil p. 18, HUSTACHE Rev. Soc. ent. argent. **13.**

Larinus bulgaricus **sp. n.** Bulgaria p. 221, Voss Mitt. münchn. ent. Ges. **33** 1943.—*L. risbeci* **sp. n.** Senegal p. 184, HUSTACHE Bull. Inst. franç. Afr. noire **4.**

Leptomias transversicollis Turkestan p. 49, *seriatosetulus* Manchuria p. 50 **spp. n.**, Voss Ent. Bl. **36** 1940.

Lignyodes sp. larva p. 140 figs., FULMEK Arb. physiol. angew. Ent. Berl. **8** 1941.

Liosoma scrobiferum Rott., *baudii* Bed., *hopffgarteni* Stierl. characters p. 99, SOLARI Mem. Soc. ent. ital. **24** 1945.

Lioxyonyx nigripes **sp. n.** Senegal p. 187, HUSTACHE Bull. Inst. franç. Afr. noire **4.**

Lipsanus infaustus **sp. n.** Transvaal p. 251, MARSHALL Ann. Mag. n.H. (11) **13.**

Listroderes notes on Schönherr's types pp. 135–140; *aequivocus* **sp. n.** Argentina p. 138, KUSCHEL Agric. tecnica Chile **6** 1946.

Litostylodes **gen. n.** for *Cyphus chlorostomus* Germ. p. 33, HUSTACHE Rev. Soc. ent. argent. **13.**

Litostylus juvencus **var. n.** *peruvianus* Peru p. 33, HUSTACHE t.c.

Lixus poricollis **sp. n.** Eritrea p. 246, MARSHALL Ent. mon. Mag. **83.**

Lonchophorellus **subgen. n.** see *Atractomerus.*

Macrocorynus obliquesignatus **f. n.** *distinctior* Manchuria p. 109, Voss Arb. morph. taxon. Ent. Berl. **8** 1941.

Macromerus (*Neomacromerus* **subgen. n.**) *inermipes* **sp. n.** Ecuador p. 57, Voss Rev. Ent. Rio de J. **18.**

Magdalis exarata see *Laemosaccidius.*

Mallerus see *Trichodocerus.*

Mecistocerus lactosparsus **sp. n.** Java, Sumatra p. 98, HELLER Arb. morph. taxon. Ent. Berl. **7** 1940.

Mecistocorynus characters p. 2, FIEDLER Arb. morph. taxon. Ent. Berl. **10** 1943.

Mecysmoderes floresanus **sp. n.** Flores, Sumbawa p. 105, HELLER Arb. morph. taxon. Ent. Berl. **7** 1940.

Meroprion lauracei, justus **spp. n.** Brazil p. 282, BONDAR Rev. Ent. Rio de J. **18.**

Mesocordylus glaber **sp. n.** Peru p. 62 figs., Voss Rev. Ent. Rio de J. **18.**

Metialma (*Permetialma* **subgen. n.**) *pusilla* **f. n.** *nigrirostris* Manchuria p. 111, Voss Arb. morph. taxon. Ent. Berl. **8** 1941.

Metriophilus subplanatus **sp. n.** Brazil p. 3, Voss op. cit. **7** 1940.—*M. oblongus* Kirsch from *Coelosternus* p. 145, FIEDLER Arb. morph. taxon. Ent. Berl. **9** 1942.

Miaromimus **gen. n.** for *Miarus graminis* Gyll. (type) & others; *schatzmayri* **sp. n.** Macedonia p. 73 (note), SOLARI Mem. Soc. ent. ital. **26** (Suppl. fasc.).

Miarus binaghii, abnormis, alzonae p. 75, *portae, moroi* p. 76, *subseriatus* p. 78 Italy, *brevirostris* Vorarlberg, *zoufali* Beskids p. 76, *mülleri* Dalmatia, *longicollis* Macedonia p. 77, *simplex* Rumania p. 78 **spp. n.**; *ursinus* **subsp. n.** *maroccanus* Morocco p. 77, SOLARI t.c.—*M. graminis* & others see *Miaromimus.*

Microplontus **subgen. n.** (type *campestris* Gyll.) see *Ceuthorrhynchus.*

Microstegotes inermis **sp. n.** Brazil p. 329, BONDAR Rev. Ent. Rio de J. **17.**

Mimographus micaceus Argentina, Paraguay p. 26, *villosipennis* Paraguay p. 27 **spp. n.**, HUSTACHE Rev. Soc. ent. argent. **13.**

Minyrus (*Minyrophilus*) *seriatus* p. 166, (*M.*) *pumilus* p. 167 **spp. n.** Ceylon, Voss Arb. morph. taxon. Ent. Berl. **10** 1943.

Myllocerus (*M.*) *scitus* **sp. n.** Fukien p. 104, Voss Mitt. münchn. ent. Ges. **32** 1942.—*M. incertus* **sp. n.** Eritrea p. 246, MARSHALL Ent. mon. Mag. **83.**

Nassophasis further description; *foveata* **subsp. n.** *gunturi* Java p. 159; *quadripunctata* Malay Archipelago, *aspericollis* Cambodia p. 160 **spp. n.**, HELLER Arb. morph. taxon. Ent. Berl. **8** 1941.

Naupactus key to S. American spp. p. 36; *angulithorax* p. 64, *calamuchitanensis* p. 65, *viridinitens, viridulus* p. 66, *caroli* p. 70, *hirsutus* p. 72, *laticollis* p. 74, *albidiventris* (also Bolivia) p. 75, *albolateralis* p. 78, *tucumanensis* p. 79, *bosqi* p. 80, *chloris* (also Paraguay) p. 82, *imbellis* p. 89, *castaneus* p. 90, *argentatus* p. 91, *cinereidorsum* p. 92, *rugosus* p. 93, *purpureo-violaceus* p. 98, *sericellus* p. 101, *breviscapus* (also Uruguay) p. 102, *brevicrinitus* p. 103, *verecundus* p. 105 (with **var. n.** *calamuchitanus*), *vianai* p. 106 Argentina, *delicatulus, umbrinus* p. 67, *dissimilis* (also Argentina) p. 69, *submaculatus* (also Brazil) p. 71, *schapleri* p. 76, *parallelus* (also Brazil) p. 77, *jacobi* p. 85, *inermis* p. 86 (with **var. n.** *paraguayanus* p. 87), *versatilis* p. 88 Paraguay, *basalis* p. 81, *viridicyaneus* p. 84 Bolivia, *sulcipes* p. 94, *alternevittatus* p. 95, *pilipes* p. 96, *tremolerasi* (also Brazil) p. 97, *fernandezi* p. 99, *sericeus* p. 100 Uruguay, *argenteus* Brazil p. 89 **spp. n.**; *sulphurifer* **var. n.** *interruptus*; p. 64; *cyphoides* **varr. n.** *viridimarginalis, prasnius* Argentina p. 65, HUSTACHE Rev. Soc. ent. argent. **13.**

Neocyphus inhalatus **var. n.** *intermedius* Argentina, Paraguay p. 21, HUSTACHE t.c.

Neoglocianus **subgen. n.** see *Ceuthorrhynchus.*

Neomacromerus **subgen. n.** (type *inermipes* sp. n.) see *Macromerus*.

Neoplinthus revision of Italian spp. pp. 43–90, list p. 87; *caprae* p. 66, *dentimanus* p. 67, *mancinii* p. 69 (with **ab. n.** *dentatus* p. 70) **spp. n.**; *tigratus* **var. n.** *tridentinus*, **subsp. n.** *abbreviatus* Italy p. 84, **ab. n.** *pseudoporcatus* Styria p. 81 figs., SOLARI Mem. Soc. ent. ital. **20** 1941.—*N. musicus, velutinus* see *Alloplinthus*.

Neosirocalus (*Heterosirocalus* p. 132, *Persirocalus* p. 133 **subgenn. n.**), WAGNER Koleopt. Rdsch. **30** 1944.

Nesorthognathus [**gen. n.**] *pedestris* **sp. n.** Argentina p. 234 figs., Voss Arb. morph. taxon. Ent. Berl. **10** 1943.

Notaris mandschuricus **sp. n.** Manchuria p. 51, Voss Ent. Bl. **36** 1940.—*N. granulipennis* Tourn. a valid sp. not a syn. of *bimaculatus* p. 94, HUBENTHAL Ent. Bl. **36** 1940.

Oocorynus calyciforoides **sp. n.** Fernando Po p. 26 figs., Voss Arb. morph. taxon. Ent. Berl. **9** 1942.

Orissus zikani p. 330, *flavolineatus* p. 332 **spp. n.** Brazil, BONDAR Rev. Ent. Rio de J. **17**.

Otiorrhynchus pupillatus systematic notes p. 158, HUBENTHAL Ent. Bl. **36** 1940.—*O. tagenioides* Germ. (=*montaschensis* Meschn.) p. 38, FRANZ Koleopt. Rdsch. **26** 1940.—*O.* revision of spp. in Hungarian Museum pp. 1011–1027; *clavipes* var. *fuscipes* **ab. n.** *ungensis* Hungarian Carpathians p. 1012; *bastarnicus* **n. n.** for *glabratus* Stierl. nec Kryn.; *dieneri* **n. n.** for *mülleri* Rosh. nec Gmel.; *argenteus* Stierl. (=*argentatus* Stierl.); *a.* ab. *valachiae* Fuss. (=*flecki* Reitt.) p. 1013, (*Lolatismus*) *skiperiae* Albania p. 1015, (*Nehrodistus*) *karthelianus* Caucasus p. 1016, (*Misenatus*) *birói* Crete p. 1018, (*Cryphiphorus*) *pachycerus* Macedonia, Albania p. 1019, (*C.*) *barcensis* Hungary p. 1007 **spp. n.**; *austriacus* ab. *carinatostriatus* **n. n.** for *carinatus* Gyll. nec Payk. p. 1016; *longiventris* **var. n.** *ormayanus* Carpathians p. 1017, CSIKI Math. term. Ert. **61** 1942.—*O. macedonicus* **subspp. n.** *novakianus* Macedonia p. 8, *visitoriensis* p. 7; *winkleri* **subsp. n.** *grebensis* p. 8 Montenegro; *heeri, arenosus* characters p. 8; *lavandus* key to allied spp. p. 9 (with **subsp. n.** *taumerkanus* p. 10); *olympionicus* p. 11, *vermionensis* **spp. n.**; *marmota* **subsp. n.** *florinensis* p. 12 Greece; *kopaonicensis* key to allied spp. p. 13; *cribrirostris* distribution, key to allied spp. p. 15; *brasavolae* **sp. n.** Albania p. 16; revision of *brevicornis* group of Asia Minor & neighbouring countries pp. 18–37, key p. 19; *catonii* p. 26, *tmolosensis* p. 29, *salbakosanus* p. 32 Asia Minor, *korabensis, bonomii* Albania p. 34, *liebmanni* **spp. n.**; *shardaghensis* **subsp. n.** *arammichnoides* p. 36 Macedonia figs., LONA Mem. Soc. ent. ital. **22** 1943.—*O.* (*Arammichnus*) *kochi* **sp. n.** Libya p. 71, SOLARI Mem. Soc. ent. ital. **19** 1940.—*O.* revision of spp. of *pupillatus* group pp. 5–30, key p. 7; *teretirostris* **subsp. n.** *globosipennis* p. 15; *pupillatus* **varr. n.** *sabaudus, pasubianus*, **subsp. n.** *cyclophthalmus* p. 22; *nigrinus* p. 23, *venetus* p. 27 **spp. n.**; *subdentatus* **subspp. n.** *iridescens, cyclopterus* p. 26 Italy, SOLARI op. cit. **25** 1946.—*O.* (*Rhinotournieria* **subgen. n.**), (*R.*) *oculatus* (with **var. n.** *parnassicola* Greece p. 76) **sp. n.** Italy p. 75, SOLARI op. cit. **26**.—*O. obliteratus* **sp. n.** Transsylvania p. 101; *weberi* Merkl a race of *fussi* Küst.; *demirkapensis* **ab. n.** *viridipalliatum* no locality p. 103 (note), SOLARI Boll. Soc. ent. ital. **75** 1943.—*O.* (*O.*) *carnicus* p. 5, (*Dorymerus*) *franciscoloi* p. 7, (*D.*) *burlinii* p. 8 **spp. n.**; (*Cirrorhynchus*) *crinipes* **subsp. n.** *falzonii* p. 2 Italy; (*O.*) *stierlini* **var. n.** *crenatostriatus*; (*O.*) *brevipilis* **var. n.** *nigrosetosus* Greece p. 4, SOLARI op. cit. **77**.

Pachytychius elongatus early stages p. 62, RISBEC Bull. Soc. ent. Fr. **52**.

Pantomorus postsignatus **sp. n.** Brazil p. 13, Voss Arb. morph. taxon. Ent. Berl. **7** 1940.—*P.* key p. 111; *conirostris* (also Uruguay), *biseriatus* p. 117, *curtulus* p. 118, *humilis* p. 119, *obscurus* (also Uruguay) p. 121, *pictipennis* p. 122, *brunneus* p. 123, *auripes* p. 125 (with **var. n.** *auratus*), *prasinus* p. 126, *similis* p. 127, *fulvus* p. 128, *subbimaculatus* p. 129 (with **var. n.** *ursius*), *luteipes* p. 130, *hirsuticeps* p. 131, *striatus* p. 133, *carinirostris* p. 134, *roseomicans* p. 135 Argentina, *ovatus* Brazil p. 124, **spp. n.**, HUSTACHE Rev. Soc. ent. argent. **13**.

Paracythopeus **gen. n.** (Baridini), *perrugosus* Sumatra p. 110, *gagates* Tonkin p. 111 **spp. n.**, HELLER Arb. morph. taxon. Ent. Berl. **7** 1940.

Paralatychus **gen. n.** (Zygopinae) p. 60, *conotracheloides* **sp. n.** Colombia,

Brazil p. 61 fig., Voss Rev. Ent. Rio de J. **18.**

Parallelodemas impar **sp. n.** China p. 895 fig., Voss Mitt. münchn. ent. Ges. **31** 1941.

Pararhytirhinus **gen. n.** for *Rhytirhinus albonotatus* Pic p. 81, Solari Mem. Soc. ent. ital. **19** 1940.

Parethelcus **subgen. n.** (type *pollinarius* Forst.) see *Ceuthorrhynchus.*

Peranosimus **gen. n.** (Otiorrhynchinae) p. 210, *nasalis* **sp. n.** Manchuria p. 211 fig., Voss Mitt. münchn. ent. Ges. **33** 1943.

Permetialma **subgen. n.** (type *pusilla* Roel.) see *Metialma.*

Pernotaris **gen. n.** (Erirrhininae) p. 232, *squamiger* **sp. n.** Argentina p. 233, Voss Arb. morph. taxon. Ent. Berl. **10** 1943.

Persirocalus **subgen. n.** (type *pulvinatus* Gyll.) see *Neosirocalus.*

Phacephorus alternus **sp. n.** Mesopotamia p. 217, Voss Mitt. münchn. ent. Ges. **33** 1943.

Phanerostethus laffooni **sp. n.** New Hebrides p. 193 fig., Zimmerman Proc. Hawaii. ent. Soc. **13.**

Phemida key to African spp. p. 23; *foveata, eidmanni* **spp. n.** Fernando Po p. 21, Voss Arb. morph. taxon. Ent. Berl. **9** 1942.

Philopedon sericans **sp. n.** Tangiers p. 78, Solari Mem. Soc. ent. ital. **24** 1945.

Phraotes nodifer **sp. n.** Celebes p. 282 fig., Voss Arb. morph. taxon. Ent. Berl. **7** 1940.

Phyllobius (*Ectomogaster*) *cyrenaicus* **sp. n.** Cyrenaica p. 73, Solari Mem. Soc. ent. ital. **19** 1940.

Piazomias shansianus **sp. n.** China p. 214, Voss Mitt. münchn. ent. Ges. **33** 1943.

Piazorrhinus homonymus **n. n.** for *semicyaneus* Hust. 1939 Arb. morph. taxon. Ent. Berl. **6** p. 164 (nec Bull. Soc. linn. Lyon **8** p. 50) p. 841, Blackwelder Bull. U.S. nat. Mus. no. 185.—*P. coccolobae* **sp. n.** Brazil p. 11, Voss Arb. morph. taxon. Ent. Berl. **7** 1940.

Piezonotus toxopeusi **sp. n.** Celebes p. 280, Voss t.c.—*P.* key to E. Indian spp. p. 156; *albolineatus* Sumba I., *dammerincola* Dammer I. p. 154, *innominatus* Aru Is., *segnis* Flores, *sumbawanus* Sumbawa p. 155, *tenimberi* Larat I. p. 156 **spp. n.**, Heller Arb. morph. taxon. Ent. Berl. **8** 1941.—*P. albosignatus* see *Apiezonotus.*

Platymycteropsis **subgen. n.** (type *limbalis* Fairm.) see *Platymycterus.*

Platymycterus (**subgen. n.** *Platymycteropsis* p. 249), Voss Mitt. münchn. ent. Ges. **31** 1941.

Polydrosus (*Eustolus*) *djarkentensis* **sp. n.** Turkestan p. 49, Voss Ent. Bl. **36** 1940.

Prionobrachium subcallosum **sp. n.** Brazil p. 9, Voss Arb. morph. taxon. Ent. Berl. **7** 1940.

Prionomerus fabricii **sp. n.** Brazil p. 34 fig., Voss Stettin. ent. Ztg. **105** 1944.—*P. flavoscutellatus* **sp. n.** Brazil p. 280, Bondar Rev. Ent. Rio de J. **18.**

Protostrophus simulans p. 249, *falsus* p. 250 **spp. n.** S. Africa, Marshall Ann. Mag. n.H. (11) **13.**—*P. clades* **sp. n.** Transvaal p. 197, Marshall op. cit. (11) **14.**

Psepholax hackeri **sp. n.** Queensland p. 333, Voss Arb. morph. taxon. Ent. Berl. **7** 1940.

Pseudocyphus subvittatus **sp. n.** Brazil p. 14, Voss t.c.

Pseudogronops **gen. n.** for *Rhytirhinus allardi* Faust p. 83, Solari Mem. Soc. ent. ital. **19** 1940.

Pseudomimus insularis **sp. n.** Fernando Po p. 25, Voss Arb. morph. taxon. Ent. Berl. **9** 1942.

Pseudomus deltoides **sp. n.** Cuba p. 49 fig., Buchanan Mem. Soc. cubana H.n. **19.**

Pseudorhinus luciae **r. n.** *peninsularis* Italy p. 84; *ambiguus, tenuipes* p. 90, *desbrochersi* p. 92 **spp. n.** Spain, Solari Mem. Soc. ent. ital. **19** 1940.

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Camptocerus orientalis p. 244, *tectus* p. 245 **spp. n.** Brazil, EGGERS Arb. morph. taxon. Ent. Berl. **10** 1943.

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Corthylus tuberculatus p. 140, *subasperulus* p. 141 **spp. n.** Guadeloupe, EGGERS t.c.—*C. biseriatus* **sp. n.** Guatemala p. 247, EGGERS op. cit. **10** 1943.—*C. bolivianus* p. 379, *emarginatus*, *pusillus* p. 380, *villosus* p. 381, *punctatus*, *dentatus* p. 382 **spp. n.** Bolivia, EGGERS Mitt. münchn. ent. Ges. **33** 1943.

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Hexacolus ovalis, pseudobicolor p. 132, *notatus, discedens* p. 133, *subparallelus, oblongus* p. 134, *nitidissimus* p. 135 **spp. n.** Guadeloupe, EGGERS Arb. morph. taxon. Ent. Berl. **7** 1940.

Hoplites major p. 125, *interruptus* p. 126 **spp. n.** Guadeloupe, EGGERS t.c.

Hylastinus contractus see *Xylechinus*; *fiorii* see *Pagiocerus*.

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Hylocurosoma **gen. n.** p. 138, *striatum* **sp. n.** Guadeloupe p. 139 fig., EGGERS Arb. morph. taxon. Ent. Berl. **7** 1940.—*H. pusillum, laeve* p. 367, *punctatum, adustum* p. 368, *elongatum* p. 369, *confusum, limbatum* p. 370, *parvum, atrum* p. 371 **spp. n.** Bolivia, EGGERS Mitt. münchn. ent. Ges. **33** 1943.

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Paraxyleborus duprezi see *Gnathotrichus*.

Phloeoborus key to Tropical American spp. p. 267; *guayanensis* Fr. Guiana p. 269, *irregularis* Peru, *rugipennis* Salvador, Costa Rica, Colombia p. 271, *similis* Brazil, Paraguay **spp. n.**; *bodei* **var. n.** *pupillatus* Peru; *asper* ♀ p. 273, EGGERS Arb. morph. taxon. Ent. Berl. **9** 1942.—*P. cristatus* Chap. (=*aspericollis* Strohm.); *signatus* Strohm. (=*similis* Eggers) p. 241; *lunulatus* Brazil, Mexico, Panama, Peru p 242, *granulatus* Fr. Guiana p. 243 **spp. n.**, EGGERS op. cit. **10** 1943.—*P. sipolisi* see *Phloeotrupes procer*.

Phloeophthorus ovalis **sp. n.** Balearic Is. p. 120, EGGERS Stettin. ent. Ztg. **102** 1941.

Phloeosinus hylurgulus **n. n.** for *sumatranus* Egg. (from *Hylurgulus*) preocc. p. 62, EGGERS Ent. Bl. **36** 1940.

Phloeotribus suturalis, vestitus p. 349, *uniseriatus* p. 350, *striatus* p. 351, *subcostatus, picipennis* p. 352, *opacicollis, asperulus* p. 353, *serratus* p. 354, *longipilus* p. 355 **spp. n.** Bolivia, EGGERS Mitt. münchn. ent. Ges. **33** 1943.—*P. insularis* **sp. n.** Guadeloupe p. 123, EGGERS Arb. morph. taxon. Ent. Berl. **7** 1940.

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Phthorophloeus striatus p. 346, *nitidicollis* p. 347 **spp. n.** Bolivia, EGGERS Mitt. münchn. ent. Ges. **33** 1943.

Pityoceragenes **subgen. n.** (type *quadridens* Htg.) see *Pityogenes*.

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Pityophthorus denticulatus p. 129, *punctatus* p. 130 **spp. n.** Guadeloupe, EGGERS Arb. morph. taxon. Ent. Berl. **7** 1940.—*P. rubripes* p. 358, *bolivianus* p. 359 **spp. n.** Bolivia, EGGERS Mitt. münchn. ent. Ges. **33** 1943.—*P. heveae* see *Cryptocarenus*.

Prionosceles imitans **sp. n.** Guadeloupe p. 136, EGGERS Arb. morph. taxon. Ent. Berl. **7** 1940.—*P. permagnus* p. 364, *atrotibialis, ater* p. 365, *interpunctatus* p. 366 **spp. n.** Bolivia, EGGERS Mitt. münchn. ent. Ges. **33** 1943.

Problechilus alternatus **sp. n.** Bolivia p. 345, EGGERS t.c.

Pterocyclon praeustum p. 100, *dentatum* p. 101 **spp. n.** Guadeloupe, EGGERS Arb. morph. taxon. Ent. Berl. **8** 1941.

Scolytodes medius p. 359, *discedens, glaber* p. 360, *major, aequipunctatus* p. 361, *rugulosus* p. 362, *bicolor, longipennis* p. 363 **spp. n.** Bolivia, EGGERS Mitt. münchn. ent. Ges. **33** 1943.

Scolytus transversalis **sp. n.** Bolivia p. 375, EGGERS t.c.—*S. iranicus* Iran, *subconfusus* Ussuri, Manchuria p. 123, **spp. n.**, EGGERS Stettin. ent. Ztg. **102** 1941.—*S. butovitschi, pubescens* **spp. n.** Asiatic Russia p. 153, STARK Bull. Far East. Br. Acad. Sci. URSS no. 18 1936 [not seen].—*S. butovitschi* Stark (= *butovitschi* Egg.), *pubescens* Stark (= *pubescens* Egg.) p. 131, PFEFFER Arb. morph. taxon. Ent. Berl. **11** 1944.—*S. pini* p. 33, *pubescens* p. 34, *butovitschi* p. 35 Siberia, *lenkoranus* Azerbaijan p. 34 **spp. n.**; *pyri* Ratz. (raised to sp.; not a form of *mali* Bechst. p. 280), *mali* p. 281, *bicallosus* (a var. of *pyri*) p. 283 redescriptions, EGGERS Arb. morph. taxon. Ent. Berl. **9** 1942.

Sphaerotrypes limbatus **sp. n.** India p. 244, EGGERS op. cit. **10** 1943.

Steganocranus galeatus **sp. n.** Bolivia p. 384, EGGERS Mitt. münchn. ent. Ges. **33** 1943.

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Sternobothrus **gen. n.** for *Bothrosternus cancellatus* Chap. (type), *costatus* Chap., *lacordairei* Chap., *bicaudatus* Blandf., *sculpturatus* Bldf. p. 372; *carinatus* p. 373, *lobatus* p. 374 **spp. n.** Bolivia, EGGERS Mitt. münchn. ent. Ges. **33** 1943.

Thaumasinulus (*Dendrosinus*) *bonnairei* see *Chramesus rotundatus*.

Trypophloeus dejevi, niger **spp. n.** Asiatic Russia p. 152, STARK Bull. Far East. Br. Acad. Sci. URSS no. 18 1936 [not seen].—*T. dejevi* **sp. n.** Siberia p. 31, EGGERS Arb. morph. taxon. Ent. Berl. **9** 1942.—*T. dejevi* Stark (=*dejevi* Egg.) p. 131, PFEFFER Arb. morph. taxon. Ent. Berl. **11** 1944.

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Hypomiolispa dissimilis **sp. n.** New Guinea p. 139, KLEINE t.c.

Hyposphales gratiosus **sp. n.** Brazil p. 192 fig., KLEINE Stettin. ent. Ztg. **102** 1941.

Ithystenus cupreus p. 140, *impar* p. 141 **spp. n.** New Guinea figs., KLEINE Ann. Mus. hung. **36** (Zool.) 1943.

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Rhaphirrhynchus prosperus **sp. n.** Peru p. 140 fig., KLEINE Ann. Mus. hung. **36** (Zool.) 1943.

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Ommata (*Chrysaethe*) *atrocephala* p. 1, (*Rhopalessa*) *longipennis*, (*Eclipta*) *brasiliensis* p. 2 **spp. n.** Brazil, FISHER t.c.—*O.* (*Eclipta*) *brevipennis* **varr. n.** *fulvipes*, *sanguinicollis* p. 50; (*E.*) *poecila* **varr. n.** *nigricornis*, *maculicollis* p. 51 Brazil, FISHER Proc. U.S. nat. Mus. **97** no. 3209.

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Oxymirus a subgen. of *Toxotus* q.v.

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Periphyllocnema **subgen. n.** (type *simulans* sp. n.) see *Phyllocnema*.

Phyllocnema revision of African spp. pp. 1–8 (*Neophyllocnema* p. 2, *Periphyllocnema* p. 4 **subgenn. n.**); (*N.*) *jeanneli* Senegal p. 2, (*P.*) *simulans* S.W. Africa p. 4, (*Phyllometalla*) *scotti* Sudan p. 5, (*Mecometacnema*) *fairmairei* Abyssinia p. 8 **spp. n.** fig., LEPESME Bull. Mus. Hist. nat. Belg. **23** no. 24.

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Pseudomeges gigas **sp. n.** Indo-China p. 19 fig., LEPESME Bull. Soc. ent. Fr. **52**.

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Stenosphenus piceus p. 253, *texanus* p. 254 **spp. n.** Texas, KNULL Ent. News **57**.

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varr. n. *flavoinclusa* France, *fallaciosa* Russia p. 114, *pseudalsatica* locality unknown, *depolii* Liburnia p. 116, *discoininterrupta* no locality p. 119), PIC Misc. ent. **42** 1946.—*S. nigra* **var. n.** *giraudi* France p. 14, PIC Echange **62** 1946.—*S.* status of E. Asian spp. discussed; *aethiops* Poda, *auratopilosa* Matsus., *duodecimguttata* F., *horishana* Matsus., *maindroni* Pic, *ochraceofasciata* Bates, *regalis* Bates, *tattakana* Kano, *thoracica* Crtz. from *Leptura* p. 192, GRESSITT Proc. ent. Soc. Wash. **49.**—*S. distigma* **f. n.** *microstigma* Morocco p. 98, RUNGS Bull. Soc. ent. Fr. **52.**

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Toxotinus a subgen. of *Toxotus* q.v.

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Adetus laterialbus Argentina, *marmoratus* p. 138, *minimus*, *fuscoapicalis* Brazil, *venezuelensis* Venezuela p. 139 **spp. n.**, BREUNING Folia zool. hydrobiol. **11** 1942.

Aerenaea alvaradoi **sp. n.** Argentina p. 256 figs., PROSEN Rev. Soc. ent. argent. **13.**

Aletretia albofasciata **sp. n.** Brazil p. 140, BREUNING Folia zool. hydrobiol. **11** 1942.

Amphicnaeia vitticollis Brazil, *strandi* p. 139, *costaricensis* p. 140 Costa Rica **spp. n.**, BREUNING t.c.

Annamanum sikkimense **sp. n.** Sikkim p. 119, BREUNING t.c.

Apomecyna adspersaria **sp. n.** Natal p. 134, BREUNING t.c.

Arrhenotoides **gen. n.** for *Buprestomorpha dubouzeti* Montr. p. 546, DE BREUNING Novit. ent. **15–16** 1946 Suppl. 3.

Arrhenotus willeyi see *Pascoea dohrni*; *degeneratus* see *Pascoea*; *pauli* see *Tmesisternopsis.*

Asyngenes vittipennis, *affinis* **spp. n.** Brazil p. 140, BREUNING Folia zool. hydrobiol. **11** 1942.

Ataxia flaviceps **sp. n.** Fr. Guiana p. 137, BREUNING t.c.

Auriolus **gen. n.**, *presidentialis* **sp. n.** Dahomey p. 340 fig., LEPESME Bull. Mus. H.n. Paris (2) **19.**

Batocera (*Tyrannolamia*) *angulimala* **sp. n.** Alor; (*B.*) *numitor* **subsp. n.** *baluana* N. Borneo p. 116, KRIESCHE Ent. Bl. **36** 1940.—*B. rufomaculata* early stages p. 948 figs., AFZAL HUSAIN & ABDUL WAHID KHAN Indian J. agric. Sci. **10** 1940.—*B. wyliei* larva p. 178 figs., EIDMANN & SCHLÜTER Z. PflKrankh. **54** 1944.

Batrachorhina griseiventris Mauritius p. 131, *albovaria*, *mediomaculata*, *fuscoplagiata* p. 132, (*Soridus*) *mediofasciata* Madagascar, (S.) *excavata* Tanganyika p. 132 **spp. n.**, BREUNING Folia zool. hydrobiol. **11** 1942.

Bebelis pseudolignosa **sp. n.** Argentina p. 174, BREUNING t.c.

Bisaltes (*Craspedocerus*) *ptericoptoides* **sp. n.** Colombia p. 141, BREUNING t.c.

Blepephaeus similis India, *borneensis* Borneo **spp. n.** p. 119, BREUNING t.c.

Brachytatus bigibbus, *limbolarius* see *Coptomimus.*

Breuningia **gen. n.** for *Cycos rugosus* Matsush. p. 576, MATSUSHITA Trans. n.H. Soc. Taiwan **33** 1943.

Buprestomorpha dubouzeti see *Arrhenotoides*.

Cacia (*Corethrophora*) *semiluctuosa* **f. n.** *interrupta* Ceram p. 152, BREUNING Novit. ent. **15–16** 1946.—*C.* (*Pericacia*) *cretifera* Hope (=*macularia* Gress.); (*Corethrophora*) *parumpunctata* **var. n.** *luzonica* Luzon; *aequifasciata* Hell., *albicollis* Hell. from subgen. *Ipocregyes* to *Corethrophora* p. 609, DE BREUNING op. cit. Suppl. 3.

Catapausa extrema **sp. n.** Rossel I. p. 116, KRIESCHE Ent. Bl. **36** 1940.

Cereopsius strandi Siam, *pulcherrimus* Sumatra **spp. n.** p. 120, BREUNING Folia zool. hydrobiol. **11** 1942.

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Cinctophytoecia **subgen. n.** (type *cinctipennis* Mnnh.) see *Phytoecia*.

Cleptometopus annulaticornis **sp. n.** p. 252 [paper in Japanese], [MITONO] Trans. n.H. Soc. Taiwan **34** 1944.—*C. olivaceus* Java, *strandi*, *sumatranus* Sumatra, *celebensis* Celebes p. 172, *biapicatus* Tonkin p. 173 **spp. n.**, BREUNING Folia zool. hydrobiol. **11** 1942.

Coptomimus **gen. n.** for *Mimocoptops bipenicillatus* Fairm. (type), *Brachytatus bigibbus* Fairm., *B. limbolarius* Fairm. p. 611; *madagascariensis* **sp. n.** Madagascar p. 612, DE BREUNING Novit. ent. **15–16** 1946 Suppl. 3.

Corrhenodes **gen. n.**, *gracilis* **sp. n.** Australia p. 131, BREUNING Folia zool. hydrobiol. **11** 1942.

Corus key to known spp. p. 138; *moisescoi* **sp. n.** E. Africa p. 137, LEPESME Bull. Soc. ent. Fr. **51**.

Cycos rugosus see *Breuningia*.

Desisella **gen. n.**, *strandiella* **sp. n.** Sumatra p. 130, BREUNING Folia zool. hydrobiol. **11** 1942.

Desmiphora compacta, *fuscosignata*, *lanuginosa* p. 155, *albolineata* p. 156, *undulatofasciata*, *laterialba* p. 157 Brazil, *obliquemaculata* Venezuela p. 156 **spp. n.**, BREUNING t.c.

Diadelia (*Myodiadelia*) *retrospinosa* Belg. Congo, (*M.*) *laeviceps* Liberia **spp. n.** p. 160, BREUNING t.c.

Diadeloides camerunensis **sp. n.** Cameroons p. 160, BREUNING t.c.

Diallus quadrimaculatus **sp. n.** New Guinea p. 121 (*Trichodiallus* **subgen. n.** p. 122), BREUNING t.c.

Dihammus pseudodentifer Malaya, *griseomicans* probably S. Asia, *grossescapus* Formosa, *fulvoscutellatus* Sumatra p. 117, *rotundipennis* Banda Is. p. 118 **spp. n.**, BREUNING t.c.—*D. rex* **sp. n.** New Britain p. 115, KRIESCHE Ent. Bl. **36** 1940.—*D. ikedai* **sp. n.** Formosa p. 581 [in Japanese], MITONO Trans. n.H. Soc. Taiwan **33** 1943.—*D. submaculatus* **sp. n.** Gt. Sanghir I. p. 148, GILMOUR Ent. mon. Mag. **83**.

Docus congoensis, *niger* **spp. n.** Belg. Congo p. 126, BREUNING Folia zool. hydrobiol. **11** 1942.

Dolichestola **gen. n.**, *annulicornis* (type) p. 164, *nigricornis* Brazil, *densepunctata* Fr. Guiana p. 165, **spp. n.**, BREUNING t.c.

Dolichosybra **gen. n.**, *elongata* (type), *tubericollis* p. 152, *strandiella*, *annulicornis* p. 153 **spp. n.** Brazil, BREUNING t.c.

Doliops animula **sp. n.** Masbate, Philippines p. 117, KRIESCHE Ent. Bl. **36** 1940.

Dorcadion many new forms chiefly Palaearctic pp. 93–132, 149–169; (*Pedestredorcadion*) *arcadicum* Morea p. 104, (*P.*) *bulgharmaadense* Anatolia p. 116, (*P.*) *pseudonobile* Persia p. 120, (*P.*) *samarkandiae* Samarkand, (*P.*) *conicolle* Djarkent, (*P.*) *merzbacheri* Tian-Shan p. 130, (*Iberodorcadion*) *avilense* p. 158, (*I.*) *quadrifuscovittatum* p. 162 Spain, (*I.*) *lategriseovittatum* Portugal p. 164, (*P.*) *pygmaeum* Anatolia p. 168, (*P.*) *iranicum* Persia, (*P.*) *lundbladi* Transcaucasia p. 141, (*D.*) *thianshanense* Tian-Shan p. 142 **spp. n.**, DE BREUNING Misc. ent. **43**.

Dorcasta schwarzi **sp. n.** Cuba p. 37, FISHER Mem. Soc. cubana H.n. **19**.—*D. prolongata* p. 173, *angusta* p. 180 Brazil, *inaequalis* Paraguay p. 174, *divaricata* Costa Rica p. 175, *fasciata* p. 176, *zeteki* p. 179 Panama, *puncticollis* Nicaragua p. 178, *harringtoni* Argentina p. 181 **spp. n.**, FISHER Rev. Ent. Rio de J. **18**.

Dorcoeax **gen. n.**, *ovalis* **sp. n.** Cameroons p. 153, BREUNING Novit. ent. **15–16** 1946.

Echthistatus yamahoi **sp. n.** Formosa p. 578 [in Japanese] fig., MITONO Trans. n.H. Soc. Taiwan **33** 1943.

Elaidius **gen. n.**, *biplagiatus* **sp. n.** New Guinea p. 123, BREUNING Folia

zool. hydrobiol. **11** 1942; also in Novit. ent. **15–16** 1946 Suppl. 3.

Emphytoecides **gen. n.** p. 174, *lineolata* **sp. n.** Chile p. 175, BREUNING Folia zool. hydrobiol. **11** 1942.

Eodorcadion **gen. n.** for *Neodorcadion carinatum* F. (type), (*Ornatodorcadion* **subgen. n.**) *ornatum* Fald.; (*O.*) *annulicorne*, (*O.*) *grisescens* p. 142; many new forms pp. 170–172; (*O.*) *argaloides* p. 172 **spp. n.** China, DE BREUNING Misc. ent. **43**.

Eosybra **gen. n.** p. 151, *bipunctata* **sp. n.** Congo p. 152, BREUNING Folia zool. hydrobiol. **11** 1942.

Epectasis grossepunctata **sp. n.** Peru p. 175, BREUNING t.c.

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Eremosybra **gen. n.**, *flavolineata* **sp. n.** Borneo p. 153, BREUNING t.c.

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Esthlogenopsis **gen. n.**, *ochreoscutellaris* **sp. n.** Brazil p. 138, BREUNING t.c.

Estola obscuroides Paraguay, *stictica*, *microphthalma* Brazil, *strandiella* Costa Rica, *flavomarmorata* Venezuela **spp. n.** p. 163, BREUNING t.c.

Estoliops **gen. n.** p. 574, *fasciatus* **sp. n.** Japan p. 575 fig., MATSUSHITA Trans. n.H. Soc. Taiwan **33** 1943.

Estoloides venezuelensis **sp. n.** Venezuela p. 163, BREUNING Folia zool. hydrobiol. **11** 1942.

Eumimesis d'almeidai Panama p. 161, *myria* Bolivia p. 163 **spp. n.** figs., DILLON L. S. & E. S. Livro hom. R. Ferreira d'Almeida 1946.

Eunidia bella Tanganyika p. 134, *similis* Ivory Coast p. 135 **spp. n.**, BREUNING Folia zool. hydrobiol. **11** 1942.

Eupogonius strandi Costa Rica p. 160, *columbianus* Colombia, *affinis*, *flavovittatus* Guatemala p. 161 **spp. n.**, BREUNING t.c.

Falsapolia **gen. n.** for *Temnosternus apicalis* Pasc. (type), *vitula* Pasc. p. 595, DE BREUNING Novit. ent. **15–16** 1946 Suppl. 3.

Falsodihammus **gen. n.**, *strandiellus* **sp. n.** Belg. Congo p. 118, BREUNING Folia zool. hydrobiol. **11** 1942.

Falsohippopsicon **gen. n.**, *albosternale* **sp. n.** Gabun p. 169, BREUNING t.c.

Fasciculosybra **subgen. n.** (type *fasciculata* sp. n.) see *Sybra*.

Frea strandi see *Gnathoenia*; *flocciferoides* see *Acridoschema aberrans*.

Glenea miwai **sp. n.** Formosa p. 585 [in Japanese] fig., MITONO Trans. n.H. Soc. Taiwan **33** 1943.—*G. javana* Java p. 10, *unialbonotata* Tonkin p. 16 **spp. n.**; *mouhoti* **var. n.** *albodiversa* Indo-China; *luteoapicalis* **var. n.** *mediojuncta* Tonkin p. 10; *vitalisi* **var. n.** *bimaculatithorax* Annam p. 16, PIC Echange **62** 1946.

Gnathoenia strandi Breun. from *Frea* p. 609, DE BREUNING Novit. ent. **15–16** 1946 Suppl. 3.

Gnoma atomaria Guér. (a valid sp.) (=*sticticollis* Thoms.); *subfasciata* Thoms. (=*dispersa* Pasc., *raffrayi* Thoms.); *longicollis* F. (=*sublaevifrons* Schwarz.) p. 530; *suturalis* Westw. (=*insulana* Schwarz.); *zonaria* L. (=*albotesselata* Blanch., *antilope* Boisd.) (with **var. n.** *albovaria* New Britain); *albovittata* Thoms. a form of *agroides* Thoms. (=*propinqua* Pasc., *cruciata* Kirsch.) p. 532; *blanchardi* **sp. n.** New Guinea p. 533, DE BREUNING t.c.

Gryllica Thoms. (=*Chalcolyne* Bates); *picta* Pasc. designated type p. 156 figs., DILLON L. S. & E. S. Livro hom. R. Ferreira d'Almeida 1946.

Hippopsicon cordicolle **sp. n.** Natal p. 169, BREUNING Folia zool. hydrobiol. **11** 1942.

Hyagnis strandiellus **sp. n.** Congo p. 134, BREUNING t.c.

Hyllisia pseudolineata **sp. n.** India p. 169, BREUNING t.c.

Ichthyodes (*I.*) *ochreoguttata* Mindanao, (*I.*) *pseudosybroides* Key I. p. 125, (*I.*) *leucostictica* New Guinea p. 126 **spp. n.**, BREUNING t.c.

Ifan **gen. n.**, *monodi* **sp. n.** Senegal p. 344 fig., LEPESME Bull. Mus. H.n. Paris (2) **19**.

Imantocera arenosa Pasc. (=*olivieri* Thoms.) p. 527, DE BREUNING Novit. ent. **15–16** 1946 Suppl. 3.

Inermestola **gen. n.**, *densepunctata* **sp. n.** Brazil p. 164, BREUNING Folia zool. hydrobiol. **11** 1942.

Ischioloncha strandiella **sp. n.** Bolivia p. 174, BREUNING t.c.

Ischnolea indistincta, longeantennata, strandi **spp. n.** Brazil p. 158, BREUNING t.c.

Lagochirus unicolor **sp. n.** Barbados p. 38, FISHER Mem. Soc. cubana H.n. **19.**

Linda Thoms. (=*Miocris* Fairm.) p. 546, revision of Chinese spp. pp. 545–555, key p. 547; *macilenta* p. 551, *tricostata* p. 554 **spp. n.** China figs., GRESSITT Ann. ent. Soc. Amer. **40.**

Macropophora worontzowi **sp. n.** Brazil p. 49 fig., LANE Bol. biol. S. Paulo (N.S.) **3** 1938.—*M.* characters p. 488, key to spp. p. 489; *lacordairei* **sp. n.** Bolivia p. 491 figs., LEPESME Bull. Mus. H.n. Paris (2) **17** 1946.

Megacriodes itzingeri **sp. n.** Sumatra p. 122, BREUNING Folia zool. hydrobiol. **11** 1942.

Melanauster chinensis larva p. 53 figs., T'SAO Sinensia **16** 1945.—*M. freyi, coeruleoantennatus* **spp. n.** China p. 23, DE BREUNING Misc. ent. **43.**

Melanopenthea **subgen. n.** (type *melanosticta* Pasc.) see *Penthea.*

Mesosa curculionides **ab. n.** *confluens* Germany p. 190, HÄNEL Ent. Bl. **36** 1940.—*M. kirisimana* **sp. n.** Japan p. 577, MATSUSHITA Trans. n.H. Soc. Taiwan **33** 1943.

Microplocia sybroides **sp. n.** New Guinea p. 142, BREUNING Folia zool. hydrobiol. **11** 1942.

Microtragus unicristatus, bicristatus **spp. n.** Australia p. 113, BREUNING t.c.

Mimenicodes obliquatus **sp. n.** New Caledonia p. 125, BREUNING t.c.

Mimocoptops bipenicillatus see *Coptomimus.*

Mimodesisa affinis **sp. n.** Java p. 131, BREUNING Folia zool. hydrobiol. **11** 1942.

Mimodorcadion **gen. n.**, *griseum* **sp. n.** India p. 115, BREUNING t.c.

Mimomulciber **gen. n.** p. 124, *strandiellus* **sp. n.** New Guinea p. 125, BREUNING t.c.

Mimoopsis **gen. n.** for *Oopsis insularis* Breun. (type), *O. fuscoapicata* Fairm.; *crassepuncta* **sp. n.** Tahiti p. 154, BREUNING t.c.

Mimoropica sumatrana Sumatra p. 136, *spinipennis* Borneo p. 137 **spp. n.**, BREUNING t.c.

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Miocris see *Linda.*

Monochamus taiheizanensis **sp. n.** Formosa p. 580 [in Japanese], MITONO Trans. n.H. Soc. Taiwan **33** 1943.—*M. lateriplagiatus* **sp. n.** probably S. Asia p. 116, BREUNING Folia zool. hydrobiol. **11** 1942.

Moroxenus (*Dityloderus*) *multituberculatus* Cameroons, (*D.*) *bicarinatus* India **spp. n.** p. 113, BREUNING t.c.

Neodorcadion new forms p. 170, BREUNING Misc. ent. **43.**—*N. carinatum, ornatum* see *Eodorcadion.*

Neonitocris eulitopoides **sp. n.** Ivory Coast p. 345, LEPESME Bull. Mus. H.n. Paris (2) **19.**

Neoopsis **gen. n.**, *quadrimaculatus* **sp. n.** Fiji p. 155, BREUNING Folia zool. hydrobiol. **11** 1942.

Niphona sumatrana **sp. n.** Sumatra p. 127, BREUNING t.c.

Niphoparmena (*N.*) *grossepunctata* Tanganyika, (*N.*) *fossulata* Belg. Congo **spp. n.** p. 114, BREUNING t.c.

Niphotragulus longicollis **sp. n.** Tanganyika p. 128, BREUNING t.c.

Notomulciber decemmaculatus **sp. n.** India p. 122, BREUNING t.c.

Nupserha pseudomarginella, szetschuanica **spp. n.** China p. 148, DE BREUNING Misc. ent. **43.**

Oberea pupillatoides, tatsienlui, grossepunctata p. 145, *flavescens* p. 146, *cephalotes, yunnanensis* p. 147 **spp. n.** China, DE BREUNING t.c.

Ogmodera forticornis Uganda p. 142, *lobata* Victoria Nyanza p. 143 **spp. n.**, BREUNING Folia zool. hydrobiol. **11** 1942.

Olenecamptus duodilloni **sp. n.** Timor p. 187 fig., GILMOUR Ent. mon. Mag. **83.**

Oncideres centromaculata **sp. n.** Brazil p. 187 fig., GILMOUR t.c.

Oopsis insularis, fuscoapicata see *Mimoopsis.*

Ornatodorcadion **subgen. n.** (type *ornatum* Fald.) see *Eodorcadion.*

Pachypezomorpha **gen. n.** p. 165, *strandi* **sp. n.** Peru p. 166, BREUNING Folia zool. hydrobiol. **11** 1942.

Panegyrtes varicornis **sp. n.** Brazil p. 163, BREUNING t.c.

Parabangalaia **gen. n.**, *flavosignata* **sp. n.** Cameroons p. 153, Breuning Novit. ent. **15-16** 1946.

Paracoedomea **gen. n.**, *strandi* **sp. n.** Tanganyika p. 134, Breuning Folia zool. hydrobiol. **11** 1942.

Paracoptops isabellae **sp. n.** Celebes p. 189 fig., Gilmour Ent. mon. Mag. **83.**

Parahyllisia **gen. n.**, *annamensis* **sp. n.** Annam p. 170, Breuning Folia zool. hydrobiol. **11** 1942.

Paramoechotypa fasciculata further description p. 610, de Breuning Novit. ent. **15-16** 1946 Suppl. 3.

Paranamera excisa **sp. n.** W. Sumatra p. 118, Breuning Folia zool. hydrobiol. **11** 1942.

Paranandra laosensis **sp. n.** Laos p. 172, Breuning t.c.

Parauxa strandiella **sp. n.** Madagascar p. 142, Breuning t.c.

Parhaplothrix margaretae **sp. n.** Pahang p. 148, Gilmour Ent. mon. Mag. **83.**

Parischnolea **gen. n.** p. 158, *excavata* **sp. n.** Brazil p. 159, Breuning Folia zool. hydrobiol. **11** 1942.

Pascoea dohrni Fairm. (=*Arrhenotus willeyi* Sharp) from *Sphingnotus* p. 551; *degenerata* Hell. from *A.* p. 553; *spinicollis* Boisd. (=*amaliae* Gestro) from *Tmesisternus*; *exarata* Pasc. (=*detzneri* Kriesche) p. 552 figs., de Breuning Novit. ent. **15-16** 1946 Suppl. 3.—*P. hauseri* see *Sepicana*; *vespertilio* see *S. albomaculata*.

Pelargoderus dibbhincksi **sp. n.** Gt. Sanghir I. p. 148 fig., Gilmour Ent. mon. Mag. **83.**

Penthea pardalina **sp. n.** Queensland; (*Melanopenthea* **subgen. n.**) p. 130, Breuning Folia zool. hydrobiol. **11** 1942.

Phidola dubiosa **sp. n.** Brazil p. 160, Breuning t.c.

Phosphorus Voet 1769-1806 Cat. syst. Col. p. 2653 considered valid genus p. 95, Strand Folia zool. hydrobiol. **12** 1943.—*P.* Thoms. nec Voet see *Voetia*.

Phytoecia cylindrica larva p. 307 figs., Fiori Boll. Ist. Ent. Bologna **16.**—*P. vulneris* **var. n.** *staudingeri* locality unknown; *virgula* **var. n.** *bravardi* Macedonia; *pustulata* **var. n.** *adnexa* Persia p. 1, Pic Echange **63.**—*P.* (*P.*) *grisea* p. 21, (*Fulgophytoecia*) *coeruleipennis*, (*Obereina*) *forticornis* p. 22, (*O.*) *nigrofemorata* p. 23 India, (*P.*) *nigerrima* p. 21, (*P.*) *coeruleomicans* p. 22 Japan, (*Cinctophytoecia* **subgen. n.**) *punctipennis*, (*C.*) *albosuturalis* China p. 143 **spp. n.**, de Breuning Misc. ent. **43.**

Pilomecyna longeantennata **sp. n.** Comoro Is. p. 165, Breuning Folia zool. hydrobiol. **11** 1942.

Pilosybra **subgen. n.** (type *pallens* sp. n.) see *Sybra*.

Poimenesperus villiersi **sp. n.** Ivory Coast p. 341 fig., Lepesme Bull. Mus. H.n. Paris (2) **19.**

Potemnemus trituberculatus **sp. n.** New Guinea p. 120, Breuning Folia zool. hydrobiol. **11** 1942.—*P.* characters p. 449; key to some spp. p. 458; *scabrosus* Ol. (=*trimaculatus* Lea) p. 450; *lima* Pasc. (= *gigas* Auriv.); *rosenbergii* Snell. (= subsp. *ferrugineus* Kriesche) p. 452; *ennerei* **sp. n.** New Guinea p. 454 figs., de Jong Tijdschr. Ent. **88.**

Pothyne sumatrana Sumatra, *mindanaonis* p. 166, *luzonica* p. 168 Philippines, *albolateralis* p. 166, *suturella* China, *annulata* Japan, *incerta* probably India, *malaccensis* Malaya p. 167 **spp. n.**, Breuning Folia zool. hydrobiol. **11** 1942.

Prosoplus ochreobasalis **sp. n.** Solomons p. 129, Breuning t.c.

Prosopocera (*Dalterus*) *trossevini* Senegal p. 342, (*Alphitopola*) *vivyana* Angola, (*A.*) *bouteti* Gaboon p. 343 **spp. n.** figs., Lepesme Bull. Mus. H.n. Paris (2) **19.**

Protilema strandi p. 114, *granulosum* p. 115 **spp. n.** New Guinea, Breuning Folia zool. hydrobiol. **11** 1942.

Psectrocera plumigera Westw. (=*plumosa* Pasc.) p. 528, de Breuning Novit. ent. **15-16** 1946 Suppl. 3.

Pseudanaesthetis nigripennis **sp. n.** Burma p. 162, Breuning Folia zool. hydrobiol. **11** 1942.

Pseudocalamobius yunnanus **sp. n.** Yunnan p. 172, Breuning t.c.

Pseudohyllisia **gen. n.**, *madurensis* **sp. n.** India p. 171, Breuning t.c.

Pseudomeges varioti **sp. n.** Annam p. 136, Le Moult Misc. ent. **43.**

Pseudoplanodes mindoroensis **sp. n.** Philippines p. 609, de Breuning Novit. ent. **15-16** 1946 Suppl. 3.

Pseudoranova fuscosignata Fairm., *forticornis* Fairm. from *Ranova* p. 612, DE BREUNING t.c.

Pseudostixis basigranosa **sp. n.** Belg. Congo p. 615, DE BREUNING t.c.

Pterolamia **gen. n.** p. 128, *strandi* **sp. n.** locality unknown p. 129, BREUNING Folia zool. hydrobiol. **11** 1942.

Pterolophia bilatevittata China, *quadricristulata* Tonkin p. 127, *laterivitta* Java p. 128 **spp. n.**, BREUNING t.c.—*P. obscura* **var. n.** *schwarzeri* p. 161 [paper in Japanese], [MITONO] Trans. n.H. Soc. Taiwan **34** 1944.—*P. sanghirica* **sp. n.** Gt. Sanghir I. p. 149 fig., GILMOUR Ent. mon. Mag. **83**.

Pterolophioides **gen. n.**, *stramentosa* **sp. n.** Somaliland p. 165, BREUNING Folia zool. hydrobiol. **11** 1942.

Ranova fuscosignata, forticornis see *Pseudoranova*.

Rhytiphora (*R.*) *marmorea* **sp. n.** W. Australia p. 129, BREUNING Folia zool. hydrobiol. **11** 1942.

Ropica albovariegata, forticornis, fuscobiplagia New Guinea p. 135, *strandi, transversemaculata* Java, *granuliscapa* Burma p. 136 **spp. n.**, BREUNING t.c.

Rosenbergia lactiflua **subsp. n.** *coerulescens* Bougainville p. 116, KRIESCHE Ent. Bl. **36** 1940.

Sepicana albomaculata Gah. (= *vespertilio* Kr. from *Pascoea*) p. 549; *hauseri* Auriv. from *P.* p. 550 figs., DE BREUNING Novit. ent. **15–16** 1946 Suppl. 3.

Sodus persimilis **sp. n.** Tonkin p. 131, BREUNING Folia zool. hydrobiol. **11** 1942.

Sophronica albostictica Belg. Congo, *uniformis* Cameroons p. 161, *mauretanica* Mauretania, *flava* Dahomey p. 162 **spp. n.**, BREUNING t.c.

Sophronisca obscura Belg. Congo, *annulicornis* Gabun **spp. n.** p. 162, BREUNING t.c.

Spalacopsis lobata **sp. n.** Mexico p. 173, BREUNING t.c.

Sphingnotus mniszechi Perr. a var. of *mirabilis* Boisd. p. 547 (with **var. n.** *salomonum* Solomon Is.); *albertisi* Gestro a subsp. and *perroudi* Montr. a var. of *insignis* Perr. (with **subsp. n.** *ammiralis* Admiralty Is.) p. 548, DE BREUNING Novit. ent. **15–16** 1946 Suppl. 3.—*S. dohrni* see *Pascoea*.

Stegenodes **gen. n.**, *ruber* **sp. n.** India p. 121, BREUNING Folia zool. hydrobiol. **11** 1942.

Stenidea (*Amblesthidus*) *excavata* Tanganyika, (*A.*) *elongata* Kenya **spp. n.** p. 159, BREUNING t.c.

Stenocoptoides **gen. n.**, *ciliatus* **sp. n.** Kenya p. 141, BREUNING t.c.

Stenostola niponensis **var. n.** *ochreovittata*; *trivittata* p. 143, *brunnescens, univittata* (with **var. n.** *invittata*) p. 144 **spp. n.** Japan, DE BREUNING Misc. ent. **43**.

Sybra rosacea, apicespinosa Fiji, *flavomarmorata* p. 143, *obliquelineata* New Britain, *medioguttata, continentalis, nigrolineata* Queensland p. 144, *ignobilis* Thursday I., *varipennis, plurilineata, cylindracea* New Guinea, *ternatensis* p. 145, *flavipennis* Ternate I., *carolinica* Caroline Is., *obliquemaculata, ochreostictica* p. 146, *densemarmorata, strandiella, peraffinis* Philippines, *lateralis, integricollis* p. 147, *jaguarita, flavostictica, fascosternalis* Malaya, *lineolata* p. 148, *quinquevittata, proximata* Borneo, *fortiscapa, flavolineata* Java p. 149, *proxima, pseudolineata* Sumatra, *incanoides* Sikkim, *zebra* India, *pluriguttata* Sarawak p. 150, (*Pilosybra* **subgen. n.**) *pallens* New Britain, (*Fasciculosybra* **subgen. n.**) *fasciculata* Comoro Is. p. 151, **spp. n.**, BREUNING Folia zool. hydrobiol. **11** 1942.

Temnosternus apicalis, vitulus see *Falsapolia*.

Tethystola flavoapicalis **sp. n.** Brazil p. 141, BREUNING Folia zool. hydrobiol. **11** 1942.

Tetraglenes ceylonensis Ceylon, *setosa* Kenya, *carinithorax, grossepunctata* Belg. Congo **spp. n.** p. 173, BREUNING t.c.

Tetrops Steph. (= *Mimosophronica* Breun.) *formosa* Baeckm. (= *strandiella* Breun.) p. 24, DE BREUNING Misc. ent. **43**.

Tmesisternopsis **gen. n.** for *Arrhenotus pauli* Hell. p. 554 fig., DE BREUNING Novit. ent. **15–16** 1946 Suppl. 3.

Tmesisternus (*Arrhenotus*) *salomonum* **subsp. n.** *aurescens* New Britain p. 559; (*A.*) *ochreomaculatus* p. 561, (*A.*) *sexmaculatus* p. 562, (*T.*) *elongatus* p. 572, (*T.*) *flavovittatus* p. 579, (*T.*) *papuanus* p. 581, (*T.*) *fuscosignatus* p. 587, (*T.*) *postfasciatus* (with **var. n.** *postmaculatus*) p. 588 New Guinea,

(*T.*) *brevespinosus* Salwatty I. p. 564, (*T.*) *rufofemoratus* Morotai I., (*T.*) *gebehensis* Gebeh I. p. 572, (*T.*) *pullus* Key I. p. 582, (*T.*) *continentalis* Queensland p. 583, (*A.*) *lansbergei* locality unknown p. 605 **spp. n.**; (*A.*) *mucronatus* **subsp. n.** *salwattianus* Salwatty I. p. 565; (*T.*) *schaumi* **var. n.** *latefasciatus* New Britain p. 574; (*A.*) *lugubris* **var. n.** *confluens* p. 580; (*A.*) *nigrofasciatus* **var. n.** *semivittatus* p. 586 New Guinea; (*A.*) *trapezicollis* Hell. (=*laticollis* Gah.); (*A.*) *jaspideus* Boisd. (=*sulcatipennis* Blanch., *flexuosa* Pasc.) p. 562; (*A.*) *adspersus* Blanch. (=*patricius* Thoms.) p. 534; (*A.*) *ludificator* Hell. (=*bialbatus* Gah.) p. 566; (*A.*) *agrarius* Pasc. (=*humilis* Gestro) p. 567; (*T.*) *trivittatus* Guér. (=*bizonulatus* Gray, *bicinctus* Boisd., *bizonatus* Blanch., *restrictus* Pasc.); (*T.*) *oblongus* Boisd. (=*dejeani* Thoms., *analis* Pasc., *agnatus* Pasc., *thomsoni* Pasc.) p. 568; (*T.*) *tersus* Pasc. (=*quadrifasciatus* Thoms.) p. 569; (*T.*) *lepidus* Pasc. (=*amoenus* Pasc.); (*T.*) *politus* Blanch. (=*equestris* Pasc., *dejeani* Montr.) p. 573; (*T.*) *marmoratus* Guér. (=*viridipes* Thoms.) p. 577; *tesselatus* Boisd. (=*villaris* Pasc.); *t.* var. *vagus* Thoms. (=*geelvinkianus* Gestro) p. 578; (*T.*) *elegans* Hell. (=*taeniatus* Gah.) p. 583; (*T.*) *dissimilis* Pasc. (= *subcinctus* Gestro) p. 584; *distinctus* Boisd. (=*controversus* Pasc., *electus* Hell.) p. 585; (*T.*) *latefascia* Hell. (=*cinctus* Gah.); (*T.*) *divisus* Auriv. (=*indistinctus* Breun.) p. 588; (*T.*) *excellens* Auriv. (=*albosignatus* Gah.) p. 592; (*T.*) *jobiensis* Gestro (=*socius* Gah.) p. 593 figs., DE BREUNING t.c.—*T.* (*Arrhenotus*) *ochreomaculatus* p. 123, (*T.*) *papuanus* New Guinea, (*T.*) *pullus* Key I., (*T.*) *continentalis* Queensland p. 124 **spp. n.**, BREUNING Folia zool. hydrobiol. **11** 1942.—*T. spinicollis* see *Pascoea*.

Trichodiallus **subgen. n.** (type *quadrimaculatus* sp. n.) see *Diallus*.

Trichodorcadion **gen. n.**, *gardneri* **sp. n.** India p. 116, BREUNING Folia zool. hydrobiol. **11** 1942.

Trichohyllisia **gen. n.**, *strandi* **sp. n.** Tanganyika p. 171, BREUNING t.c.

Trichopothyne **gen. n.**, *strandiella* **sp. n.** Borneo p. 168, BREUNING t.c.

Trigonoptera albonotata Gah. a form of *spilonota* Gestro p. 598; *sordida* Pasc. (=*papuana* Gestro) p. 600; *ornata* Macl. (=*erythrospila* Hell.) p. 602 figs., DE BREUNING Novit. ent. **15–16** 1946 Suppl. 3.

Trypanidius nocturnus **sp. n.** Porto Rico p. 39, FISHER Mem. Soc. cubana H.n. **19**.

Voetia **n. n.** for *Phosphorus* Thoms. nec Voet p. 96, STRAND Folia zool. hydrobiol. **12** 1943.

Xylariopsis esakii **sp. n.** Formosa p. 582 [in Japanese], MITONO Trans. n.H. Soc. Taiwan **33** 1943.

BRUCHIDAE (LARIIDAE).

Systematic revision of Mylabridae or Bruchidae, with special reference to N.E. America, BRADLEY Psyche **53** pp. 33–42.

Bruchidius biloboscutus **sp. n.** Ivory Coast p. 151, PIC Bull. Soc. ent. Fr. **51**.

Euspermophagus **gen. n.** for *Spermophagus sericeus* Geoffr. p. 237, ZACHER Arb. biol. Reichsanst. **18** 1930 [Cf. *Spermophagus* Z.R. **83** 1946 p. 264.]

Megacerus Fahr. discussed p. 105, BRIDWELL Proc. ent. Soc. Wash. **34** 1932 and BRADLEY Psyche **53** p. 37.

Spermophagus pelleranoi **sp. n.** Argentina p. 73, PIC Rev. argent. Ent. **1** 1938. —*S. sericeus* see *Euspermophagus*.

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Some flea-beetles of Tropical Asia, I–III, CHEN Sinensia **6** 1935 pp. 647–655, 5 figs.; **7** 1936 pp. 80–88, 594–600.

Chrysomelids from Korea, I–V (and supplement), CHÛJÔ Trans. n.H. Soc. Formosa **30** 1940 pp. 349–362, 383–398, 7 figs.; **31** 1941 pp. 61–75, 155 etc. 11 figs.; **32** 1942 pp. 31–43, 4 figs.

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Japanese Donaciids, GOECKE Ent. Bl. **36** 1940 pp. 52–53.

Donacia corrections to Reitter's key p. 115; *mistshenkoi* redescription p.112 figs., GOECKE Ent. Bl. **36** 1940.—*D. bicoloricornis* p. 10, *subcylindrica* p. 11 **spp. n.** China, CHEN Sinensia **12** 1941.—

D. jacobsoniana **sp. n.** Vladivostok p. 36 [in Russian with Latin description] fig., SHAVROV Bull. Soc. Nat. Moscow, Sect. Biol. (N.S.) **51** 1946.—*D. malinowskyi* key to and notes on French varr. pp. 17–22, THIERRIAT Bull. sci. Bourgogne **10** 1946.

Plateumaris socia **sp. n.** Chekiang p. 9, CHEN Sinensia **12** 1941.

MEGALOPIDAE.

Revision of Argentine Megalopidae, MONRÓS Rev. Soc. ent. argent. **13** pp. 150–217, 5 col. pls. 51 figs.

Characters and distribution of Megalopodids, PIC Novit. ent. **15–16** 1946 pp. 149–150.

Agathomeroides **subgen. n.** (type *flavomaculatus* Klug) see *Agathomerus*.

Agathomerus almeidai **sp. n.** Brazil p. 205 [illegible] Lato Com. R. [illegible] 1946 [illegible] **subgenn. n.** *Mesagathomerus* p. 182, *Agathomeroides* p. 185, *Euagathomerus* p. 190, *Trichagathomerus* p. 196); (*M.*) *quadrimaculatus* **var. n.** *basalis* Argentina p. 185 figs., MONRÓS Rev. Soc. ent. argent. **13**.—*A. azureipennis* **var. n.** *maculaticollis* Guiana; *sellatus* **var. n.** *lateapicalis* Brazil p. 151, PIC Novit. ent. **15–16** 1946.

Antonaria crampeli Pic from *Poecilomorpha* p. 151; *favareli* **sp. n.** 4-*notata* **var. n.** *luteorittata* Gaboon p. 152, PIC t.c.

Bothromegalopus **gen. n.** for *Megalopus pilipes* Lac. p. 204 figs., MONRÓS Rev. Soc. ent. argent. **13**.

Colobapsis delagoana (with **var. n.** *lineaticeps*) Delagoa Bay; *notatithorax* **varr. n.** *binotatus*, *binotaticollis*, 4-*notatus*, *concoloripennis*, *multinotata*, *nigrohumeralis* Congo p. 151, PIC Novit. ent. **15–16** 1946.

Euagathomerus **subgen. n.** (type *sellatus* Germ.) see *Agathomerus*.

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Mesagathomerus **subgen. n.** (type *quadrimaculatus* Guér.) see *Agathomerus*.

Poecilomorpha atripennis Gaboon, *innotata* Span. Guinea **spp. n.** p. 152, PIC Novit. ent. **15–16** 1946.—*P. crampeli* see *Antonaria*.

Trichagathomerus **subgen. n.** (type *subfasciatus* Germ.) see *Agathomerus*.

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Xeugophora maculata **sp. n.** Formosa p. 463; list of World spp. p. 465 fig., CHÛJÔ Trans. n.H. Soc. Formosa **31** 1941.

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Bradylema spadicea Borneo p. 47, *götzelmanni* p. 48, *dimidioptera* p. 49 Sumatra, *strangulata* S. India **spp. n.**; *gahani* redescription; *postrema* further description p. 51, HEINZE Arb. morph. taxon. Ent. Berl. **9** 1942.

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p. 12, *ruficolor* p. 13 further descriptions, Pic Echange **62** 1946.—*L.* key to and notes on Argentine spp. of *xanthopus* group pp. 79–88; *bosqi* p. 80, *riparia* (also Uruguay) p. 82, *commelinarum* p. 85, *oglobini* p. 87 **spp. n.** Argentina figs., Monrós Arthropoda **1**.—*L. vivax* p. 155, *diabroticoides* p. 157, *felix* p. 158, *mimica* p. 160, *devota* p. 161, *monoleptoides* p. 163, *dolichosoma* p. 165, *basicostata* p. 166, *elegans* p. 167 **spp. n.** Argentina; *proxima* Burm. (= *paraguensis* de Borre) p. 168; *orbignyi* Guér. (=*planicollis* Burm.) not a synonym of *dorsalis* Ol.; *homonima* **n. n.** for *basithorax* Pic 1926 nec 1924 p. 169; *amnesia* **n. n.** for *biimpressa* Pic nec Heinze; *binomis* **n. n.** for *nigrohumeralis* Bryant nec Heinze; *fastidiosa* **n. n.** for *viridimetallica* Pic nec Heinze p. 170 figs., Monrós Acta zool. lilloana **4**.—*L. bidisjuncta* **sp. n.** Argentina; *tapenagosa, ingracilis* further descriptions p. 4, Pic Echange **63**.

Lilioceris (*L.*) *shiraki* **sp. n.** Formosa p. 570 fig., Chûjô Trans. n.H. Soc. Taiwan **33** 1943.

Plectonycha revision of S. American spp. pp. 46–64, key p. 53; *correntina* **var. n.** *juncta* p. 57; *melanoptera* **sp. n.** p. 63 Argentina figs., Monrós An. Soc. cient. argent. **144**.

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Clytra atraphaxidis **var. n.** *asiatica* Korea p. 455, Chûjô t. c.

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Labidostomis orientalis **sp. n.** Korea p. 360 fig., Chûjô Trans. n.H. Soc. Formosa **30** 1940.

Megalostomis (*Minturnia*) *vianai* **sp. n.** Argentina p. 179, Monrós Acta zool. lilloana **4**.

Saxinis justusi **sp. n.** Brazil p. 451 fig., Guérin Rev. brasil. Biol. **7**.

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Fulcidacinae of Formosa, Chûjô Trans. n.H. Soc. Formosa **30** 1940 pp. 265–293.

Chlamys see *Exema*.

Coenobius rufomaculatus **sp. n.** Kenya p. 4, Pic Echange **63**.

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Exema Lac. (=*Chlamys* Knoch nec Röd. (Moll.)), key to Formosan spp. p. 266; *angulisterna* p. 273, *flavosignata* p. 275, *robusta* p. 276, *granulicollis* p. 278, *sexcostata* [but cf. Z.R. **79** 1942 pp. 128, 129] p. 279, *nigripes* p. 281, *monticola* p. 282, *latiuscula* p. 284, *y-costata* p. 288, *sulcicollis* p. 290 Formosa, *pubiceps* Korea p. 396 **spp. n.** fig., Chûjô Trans. n.H. Soc. Formosa **30** 1940.—*E.* key to spp. of Japan and Loochoo Is. p. 77; *laticollis* p. 82, *consimilis* p. 86, *cirsicola* p. 93 **spp. n.** Japan figs., Chûjô op. cit. **32** 1942.

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Gastrolina thoracica **var. n.** *cupricollis* Korea p. 459, CHÛJÔ Trans. n.H. Soc. Formosa **31** 1941.

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Lypesthes Baly (=*Leprotes* Baly) p. 371; *bisquamosus* **sp. n.** Tonkin p. 374 fig., CHEN Sinensia **6** 1935.

Metachroma ensiforme, imitans, xanthacrum Cuba, *metrium* p. 310, *fenestratum, amplicolle* p. 312 Porto Rico **spp. n.** figs., BLAKE J. Wash. Acad. Sci. **37.**

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Nodina fokienica **n. n.** for *chinensis* Bryant nec Weise p. 300, CHEN Sinensia **6** 1935.

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Ambrostoma revision of Asiatic spp.; (*A.*) *rugosopunctatum* China p. 718, (*A.*) *fasciatum* p. 721 China, (*Parambrostoma* **subgen. n.** p. 718), (*P.*) *ambiguum* Korea p. 728 **spp. n.** figs., CHEN Sinensia **7** 1936.

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Chrysomela globosa **var. n.** *banatica* Hungary p. 920, CSIKI Math. term. Ert. **59** 1940.

Leptinotarsa decemlineata variation pp. 31–33 fig., JOLIVET Misc. ent. **43.**

Oreina vittigera **ab. n.** *simplex*; (*Allorinula*) *tristis* **ab. n.** *nigripennis* Italy p. 128, BURLINI Boll. Soc. ent. ital. **74** 1942.

Parambrostoma **subgen. n.** (type *sublaevis* Chen) see *Ambrostoma*.

Phyllocharis undulata characters p. 543 (with **abb. n.** *interrupta* Indo-China, Java, *heurnii*, *obscura* Java, *timorensis*, *sexmaculata* Timor p. 544) figs., VAN OOSTSTROOM Tijdschr. Ent. **88**.

Phytodecta (*P.*) *gracilicornis* **varr. n.** *kiberi* p. 74, *munaguro* p. 75 Korea, CHÛJÔ Trans. n.H. Soc. Formosa **31** 1941.—*P. kanfani* **sp. n.** China p. 191, CHEN Sinensia **12** 1941.—*P. pellax* Tunisia p. 84, *procax* (with **ab. n.** *universus*) Algeria p. 85 **spp. n.** figs., NORMAND Bull. Soc. ent. Fr. **52**.

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Key to genn. of Palaearctic Halticinae (catalogue p. 86), HEIKERTINGER Koleopt. 'Rdsch. **26** 1941 pp. 67–89, 4 figs.

Additions to the Halticids of Czechoslovakia, KRÁL Acta Soc. ent. Čsl. **44** pp. 21–26.

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Aphthonoides revision of Asiatic spp. pp. 175–179, key p. 177; *laticollis* p. 177, *fulmeki* Sumatra, *ovipennis* Madras p. 178 **spp. n.** figs., HEIKERTINGER Ent. Bl. **36** 1940.—*A. becarrii* hind leg p. 34 fig., CHEN Sinensia **16** 1945.

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Chaetocnema (*Tlanoma*) *lewisii* p. 31, (*T.*) *koreana* p. 33 **spp. n.** Korea fig., CHÛJÔ Trans. n.H. Soc. Formosa **32** 1942.

Crepidodera incerta **sp. n.** Yunnan p. 775; *atrithorax* **n. n.** for *nigricollis* Chen preocc. p. 776 fig., CHEN Sinensia **6** 1935.—*C. adelinae* **sp. n.** Italy p. 47 fig., BINAGHI Boll. Soc. ent. ital. **77**.

Crepidoderoides **gen. n.** p. 36, *choi* **sp. n.** Korea p. 37 fig., CHÛJÔ Trans. n.H. Soc. Formosa **32** 1942.

Crepidosoma cribricolle **sp. n.** Szechwan p. 194, CHEN Sinensia **12** 1941.

Epitrix atropae **ab. n.** *jansoni* England p. 248, DONISTHORPE Ent. mon. Mag. **83**.

Glyptobregma **gen. n.** for *Haltica interstitiale* Suffr., *clathratum* S., *pyritosum* S., *robustum* S. p. 92; *portoricense* (type) Porto Rico, *turquinense* Cuba p. 94 **spp. n.** figs., BLAKE J. Wash. Acad. Sci. **37**.

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Mantura obtusata Gyll. (=*ambigua* Kutsch.); *subobtusata* **sp. n.** Sweden p. 118, JANSSON Opusc. ent. Lund **12**.

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Transbaikalia p. 37, *kutscherai* Siberia p. 38; systematic catalogue p. 109 figs., HEIKERTINGER Koleopt. Rdsch. **27** 1941.—*P.* revision of Ethiopian spp. pp. 33–56, catalogue p. 55; *mashonana* Jac. (=*usambarica* Wse.) p. 50; *cheiranthi* Wse. (= *hargreavesi* Bryant) p. 52; *imatrix* Cape Province p. 38, *togana* Togo p. 42, *nitidipennis* West Africa p. 53 **spp. n.** figs., HEIKERTINGER Arb. morph. taxon. Ent. Berl. **10** 1943. —*P. carreti* characters p. 60, MÉQUIGNON Bull. Soc. ent. Fr. **52**.

Psylliodes attenuata **f. n.** *coerulea* Czechoslovakia p. 21 KRÁL Acta Soc. ent. Čsl. **44**.

Sebaethe quadrisignata **sp. n.** Sumatra p. 653 fig., CHEN Sinensia **6** 1935.

Sphaeroderma chongi **sp. n.** Yunnan p. 772, CHEN t.c.

Tonfania **gen. n.**, *apicalis* **sp. n.** Luzon p. 636, CHEN op. cit. **7** 1936.

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Acalymma **gen. n.** for *Diabrotica vittata* F., *trivittata* Mann., *blandula* Lec., *vincta* Lec., *pallipes* Ol.; *gouldi* (type) **sp. n.** U.S.A., Canada p. 154; *vittata* F. synonymy discussed p. 155 figs., BARBER Proc. ent. Soc. Wash. **49**.

Agetocera femoralis **sp. n.** China p. 24, CHEN Notes Ent. chinoise **9** 1942.

Amphelasma **gen. n.** for *Diabrotica cavum* Say (type), *bipuncticolle* Schaeff., *decoratum* Jac., *unilineatum* Jac., *trilineatum* Jac. p. 158 figs., BARBER Proc. ent. Soc. Wash. **49**.

Aplosonyx pictus **sp. n.** p. 39 (with **subsp. n.** *omeiensis* p. 40) China, CHEN Notes Ent. chinoise **9** 1942.

Apophylia raffrayi Abyssinia, *fruhstorferi*, *kannegieteri* Java, *medana* Sumatra **spp. n.** p. 14, PIC Echange **62** 1946.

Arthrotidea **gen. n.**, *ruficollis* **sp. n.** China p. 44, CHEN Notes Ent. chinoise **9** 1942.

Cerophysa biplagiata **subsp. n.** *collaris* China p. 32, CHEN t.c.

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Cneoranidea **gen. n.**, *signatipes* **sp. n.** China p. 31, CHEN t.c.

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Osmia Panz. (=*Heriades* Spin. p. 214, *Heriadopsis* Ckll. p. 215), ARNOLD J. ent. Soc. sthn Afr. **9.**—*O. digitata* **var. n.** *ibericola* Spain p. 357, MAVROMOUSTAKIS Eos **23.**—*O. rowlandi* **sp. n.** Cape Province p. 287, COCKERELL Entomologist **80.**

Oxaea stenocoryphe **sp. n.** Argentina, Brazil p. 223, MOURE Rev. Soc. ent. argent. **13.**

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Ampulex lugubris p. 137, *occipitalis* p. 140 Nyasaland, *viridescens, bredoi* N. Rhodesia p. 142 **spp. n.**; *nigrocoerulea* Sauss. (=*spiloptera* Cam.) p. 141 figs., ARNOLD Occ. Pap. nat. Mus. sthn Rhod. **2.**

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Aphilanthops (*Clypèadon*) *phoenix* **sp. n.** Arizona p. 66, PATE Pan-Pacif. Ent. **23.**

Arigorytes revision of N. American spp. pp. 51–56, key p. 52; *smohalla* p. 54, *anaëtis* p. 55 **spp. n.** U.S.A., PATE Canad. Ent. **79.**

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Bicyrtes key to Argentine spp. p. 555; *lilloi* **sp. n.** p. 567; *oribates* **subsp. n.** *patei* p. 577 Argentina figs., WILLINK t.c.

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C. ziegleri **sp. n.** Australia p. 256 figs., RAYMENT Vict. Nat. **63.**—*C. perfoveata* **sp. n.** Madagascar p. 167 figs., ARNOLD Occ. Pap. nat. Mus. sthn Rhod. **2.**

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Ectemnius key to Antillean spp. p. 10; (*Hypocrabro*) *dizoster* Jamaica, p. 17, (*H.*) *taino* Santo Domingo p. 22 **spp. n.** figs., PATE Trans. Amer. ent. Soc. **73.**

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Hapalomellinus teren **sp. n.** Arizona p. 237, PATE Ent. News **57.**

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Hoplisus Lep. 1832 plea for adding to Official List p. 208, BENSON, FERRIÈRE & RICHARDS Bull. zool. Nomencl. **1.**—*H. gaoganus* **sp. n.** Formosa p. 366 fig., SONAN Trans. n.H. Soc. Formosa **30** 1940.

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Lindenius key to subgenn.; (*Trachelosimus*) *armaticeps* FOX (=*flaviclypeus* Fox, *zellus* Rohw.); (*T.*) *c. columbianus* Kohl (=*pinguis* Fox); (*T.*) *c. errans* Fox (=*Ammoplanus salicis* Ckll.) p. 4; (*T.*) *tecuya* **sp. n.** California p. 5, PATE t.c.

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Mellinus key to East Asiatic spp.; *obscurus* ♂ p. 2, YASUMATSU Notes Ent. chinoise **10** 1943.—*M. arvensis* L. proposal to preserve name p. 219, BENSON, FERRIÈRE & RICHARDS Bull. zool. Nomencl. **1.**

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Psammaecius (*Hoplisoides*) *alaya* **sp. n.** Santo Domingo p. 96, PATE Ent. News **58.**

Psenulus pauxillus **sp. n.** N. Rhodesia p. 159 fig., ARNOLD Occ. Pap. nat. Mus. sthn Rhod. **2.**

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RIÈRE & RICHARDS Bull. zool. Nomencl. **1**.

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Telephoromyia anthracina see *Fedtschenkia* (SAPYGIDAE).

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Abernessia **gen. n.** p. 416, *irmgardae* **sp. n.** Brazil p. 417 figs., ARLÉ Rev. Ent. Rio de J. **18**.

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Agenia hirsutula see *Reedimia*.

Ageniella key to S. American spp. p. 422; *amoena* Brazil p. 423, *alternata* Br. Guiana p. 424 **spp. n.** fig., BANKS Bull. Mus. comp. Zool. Harv. **96** 1946.

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Alasagenia hirsuta Ecuador p. 453, *corymele* Peru p. 454, *cymbele* p. 455 Paraguay **spp. n.**, BANKS Bull. Mus. comp. Zool. Harv. **96** 1946.

Allocyphonyx sericeus Brazil p. 439, *incalis* Peru p. 440, *affinis* Ecuador p. 441, (*Atopopompilus*) *neriene* p. 442 (with **var. n.** *alienus*) Argentina, (*A.*) *minor* p. 443, (*A.*) *fairchildi* p. 441 Brazil **spp. n.** figs., BANKS op. cit. **99**.

Ameragenia **gen. n.** p. 425, *festina* (type) p. 427, *thione* p. 429, *similaris* p. 433, *cleora* p. 437 Brazil, *pretiosa* p. 428, *alcimeda* p. 431 Peru, *adele* Bolivia p. 430, *partita* Br. Guiana p. 432, *dolorosa* p. 436, *notabilis* p. 434 Ecuador (with **var. n.** *hilaris* Colombia p. 435) **spp. n.** figs., BANKS op. cit. **96** 1946.—*A. fallax* **sp. n.** Brazil p. 426 figs., ARLÉ Rev. Ent. Rio de J. **18**.

Amerocnemis argentinica Argentina p. 500, *brasiliensis* p. 501, *longula* p. 502 Brazil **spp. n.**, BANKS Bull. Mus. comp. Zool. Harv. **96** 1946.

Anacyphonyx **gen. n.**, *rosasi* p. 521 Argentina, *fidelis* (type) p. 522, *dubiosa* p. 524 Brazil, *metallica* Paraguay p. 523 **spp. n.**, BANKS t.c.

Anoplius raised to a genus; *carbonarius* ♂ p. 190 fig., HAUPT Stettin. ent. Ztg. **102** 1941.—*A. fuscus* **f. n.** *haupti* Sardinia, etc. p. 27, GUIGLIA Boll. Soc. ent. ital. **73** 1941.—*A. pacificus* **sp. n.** Japan p. 451; key to East Asiatic spp. p. 452, YASUMATSU Trans. n.H. Soc. Taiwan **33** 1943.—*A. viaticus* L. discussion on status pp. 334–336, VERHOEFF Tijdschr. Ent. **88**.—*A. xerophilus* **sp. n.** U.S.A. p. 10 fig., EVANS

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Aplochares adrastes **sp. n.** Brazil p. 412, BANKS t.c.

Arachnophroctonus affinis Brazil p. 384, *pallidus* Peru p. 385 **spp. n.**, BANKS t.c.

Aridestus **gen. n.** for *Pompilus bergi* Brèth. p. 432, BANKS t.c.

Austrochares **gen. n.** p. 423 for *Pompilus gastricus* Spin. (type), *P. satanus* Holmb. etc.; *brevitarsus* Paraguay p. 425, *elsinore* Peru p. 426, *cordovensis* Argentina p. 427 **spp. n.**, BANKS t.c.

Balboa **subgen. n.** (type *barbouri* Banks) see *Priocnemis* and *Balboana*.

Balboana [? **gen. n.**] pp. 102, 103, BANKS Zoologica, N.Y. **29** 1944.—*B.* **n. n.** for *Balboa* Banks nec Dist. p. 506; *nigrina* Brazil p. 507, *fenestralis* p. 508, *elegans* p. 509 Bolivia **spp. n.**, BANKS Bull. Mus. comp. Zool. Harv. **96** 1946.—*B. auripennis* F. designated type p. 77, PATE Trans. Amer. ent. Soc. **72** 1946. [Cf. *Balboana* Uvarov 1939, Z.R. **76** p. 405.]

Batozonus fervidus **var. n.** *intensivus* Trinidad p. 376; *ventralis* p. 377, *eurymelus* p. 378, *exiguus* p. 380 Brazil, *apicalis* p. 379 Paraguay, Peru **spp. n.**, BANKS Bull. Mus. comp. Zool. Harv. **99**.—*B. pentodon* **sp. n.** Brazil p. 425, ARLÉ Rev. Ent. Rio de J. **18**.

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Calopompilus parvulus, *helas* p. 486, *erebus* p. 489, *relativus* p. 490 Argentina, *fraternus* Uruguay p. 488 **spp. n.**, BANKS t.c.

Ceratopales brethesi Argentina, Paraguay, Brazil p. 475, *elsida* Brazil, Bolivia p. 478 **spp. n.**, BANKS op. cit. **99**.

Ceropales key to and revision of European spp. p. 506; *cribratus* Costa (=*versicolor* Gussak.) p. 506 (with **subsp. n.** *maroccana* Morocco p. 508); *helveticus* Tourn. (=*nigritus* Tourn., *scalaris* Nosk.) p. 509; *pygmaeus* Kohl (= *unicolor* Gussak.) p. 511; *variegatus* F. (= *destefanii* Costa) p. 517 figs., DE BEAUMONT Mitt. schweiz. ent. Ges. **20**.

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Deropepsis **subgen. n.** (type *frivaldszkyi* Erichson) see *Pepsis*.

Deuteragenia variegata ♂ further description p. 56, BLÜTHGEN Stettin. ent. Ztg. **105** 1944.

Dipogon key to S. American spp. p. 418; *ariel*, *alastor* p. 419 Ecuador **spp. n.** figs., BANKS Bull. Mus. comp Zool. Harv. **96** 1946.

Entomobora Gistel (=*Pedinaspis* Kohl) original description, *aestivalis* type by monotypy p. 17, PATE Ent. News **58**.

Epicostethus **gen. n.** p. 445, *williamsi* **sp. n.** Ecuador p. 446 fig., BANKS Bull. Mus. comp. Zool. Harv. **99**.

Episyron tertius **sp. n.** Germany p. 61, BLÜTHGEN Stettin. ent. Ztg. **105** 1944.—*E. fraternus* **sp. n.** Peru p. 428, BANKS Bull. Mus. comp. Zool. Harv. **99**.

Eragenia **gen. n.**, *infelix* **sp. n.** Argentina p. 421, BANKS op. cit. **96** 1946.

Euplaniceps lotus Bolivia p. 448, *bradleyi* Brazil p. 449 **spp. n.**, BANKS op. cit. **99**.

Lissagenia **gen. n.** p. 456, *flavipennis* (type) p. 457, *insignis* p. 458 **spp. n.** Brazil fig., BANKS op. cit. **96** 1946.

Nannochilus obscurus Brazil p. 504, *peruanus* Peru, *laevis* Trinidad p. 505 **spp. n.**, BANKS t.c.

Nannopepsis **subgen. n.** (type *pruinosa* Mocs.) see *Pepsis*.

Neanoplius **gen. n.** p. 420, *coeruleosomus* **sp. n.** Brazil p. 421, BANKS Bull. Mus. comp. Zool. Harv. **99**.

Nesopompilus **gen. n.**, *vitiensis* **sp. n.** Fiji p: 327, WILLIAMS Occ. Pap. Bishop Mus. **18.**

Notiochares diffinis **sp. n.** Peru p. 410 figs., BANKS Bull. Mus. comp. Zool. Harv. **99.**

Notocyphus saevissimus **var. n.** *indentatus* Bolivia p. 455; *williamsi* p. 456, *bipartitus* p. 463, *ornatus* p. 465, *fraternus* p. 471 Ecuador, *nigrinus* Bolivia p. 457, *pallidipennis* p. 460, *signatus* p. 464 Peru, *inornatus* p. 461, *procris* p. 463, *dolorosus* p. 469, *sericeus*, *sigmoides* p. 473, *deceptus* p. 474 Brazil, *morosus* Colombia, *variegatus* p. 468, *atratus* Paraguay p. 470 **spp. n.**; *pictipennis* **var. n.** *nigricornis* Brazil p. 458 figs., BANKS t.c.

Paracyphononyx zavattarii p. 70, *haupti* **spp. n.**; *paulinieri* **var. n.**, *orientalis* p. 71 Somalia, GUIGLIA Boll. Soc. ent. ital. **75** 1943.

Pedinaspis plicata Costa a race of *itinerator* Lep. p. 28, GUIGLIA op. cit. **73** 1941.—See *Entomobora*.

Pepsis (*Deropepsis* p. 336, *Nannopepsis* p. 351, *Cirripepsis* p. 353 **subgenn. n.**); (*Gigantopepsis*) *alcimeda* p. 318, (*G.*) *amalthea* p. 319, (*G.*) *cleanthes* p. 320, (*D.*) *lycaste* p. 341, (*N.*) *consors* p. 352, (*P.*) *ataraqua* p. 389 Bolivia, (*G.*) *ebule* p. 321, (*D.*) *comes* p. 342, (*N.*) *interrupta* p. 353, (*Stenopepsis*) *incerta* p. 369, (*S.*) *alector* p. 370, (*P.*) *itapaca* p. 387 Brazil, (*Trichopepsis*) *huascar* p. 327, (*T.*) *atahualpa* p. 328, (*C.*) *hirtiventris* p. 357, (*C.*) *moesta*, (*C.*) *ilione* p. 358, (*C.*) *orestes* p. 359, (*C.*) *laconia* p. 361, (*S.*) *consimilis* (also Ecuador) p. 369, (*S.*) *aeneipennis* p. 372, (*P.*) *alceste* p. 388, (*P.*) *amautas* p. 389, (*P.*) *mancoi* p. 399 Peru, (*T.*) *iolanthe* p. 330, (*C.*) *astioles* p. 355, (*P.*) *angusta* p. 390 Colombia, (*T.*) *ismare* p. 331, (*S.*) *cofanes* p. 364 Ecuador, (*S.*) *longula* Fr. Guiana p. 367, (*P.*) *pilosa* Venezuela p. 393, (*D.*) *assimilis* p. 343, (*P.*) *balloui* p. 391, (*P.*) *weberi* p. 394 Trinidad **spp. n.**; (*T.*) *petiti* ♂ p. 332; (*P.*) *decorata* **var. n.** *opposita* Brazil p. 382; (*P.*) *prixi* **var. n.** *gemella* Paraguay p. 398; (*D.*) *vinipennis* Pack. (=*erythroptera* Mocs.) p. 345; (*D.*) *nitida* (=*lampas* Lucas) p. 349 figs., BANKS Bull. Mus. comp. Zool. Harv. **96** 1946.

Phanochilus ornatus **sp. n.** Peru p. 461 figs., BANKS t.c.

Pompilinus completus **sp. n.** Argentina p. 407, BANKS op. cit. **99.**

Pompiloides ferrugineipes **sp. n.** Somalia p. 69, GUIGLIA Boll. Soc. ent. ital. **75** 1943.

Pompilus orophilus **sp. n.** U.S.A. p. 14, EVANS Ent. News **58.**—*P. gastricus*, *satanus* see *Austrochares*; *bergi* see *Aridestus*.

Priochilus nubilus Brazil p. 513, *peruanus* Peru p. 514, (*Foximia*) *amabilis* p. 516, (*F.*) *fraternus* p. 517 Ecuador **spp. n.**; *regius* **var. n.** *infumatus* Peru, Ecuador p. 517, BANKS Bull. Soc. comp. Zool. Harv. **96** 1946.

Priocnemella **subgen. n.** of *Priocnemis* (type *fairchildi* Banks) p. 337, BANKS op. cit. **67** 1925.—*P. hexagona* **var. n.** *omissa* Peru p. 452, BANKS op. cit. **96** 1946.

Priocnemioides molestus Peru p. 470, *aurifrons* Br. Guiana p. 471, *grandis* Colombia p. 473, *nitidus* (also Peru) Ecuador p. 474, *persimilis* p. 478, *tenebrosus* p. 480 Brazil **spp. n.**; *gigas* F. (=*croesus* Smith) p. 472, BANKS t.c.

Priocnemis faillae, *fuscus* distinguishing characters p. 14 figs., GUIGLIA Boll. Soc. ent. ital. **73** 1941.—*P. mimulus* Wesm. (= *maculipennis* Schenck, *schencki* Kohl, *claripennis* Schenck) p. 54; *klosei* Hpt. (= *haupti* Šustera) p. 55; *trigeminus* p. 57, *vinetorum* p. 58, *balticus* p. 59 **spp. n.** Germany, BLÜTHGEN Stettin. ent. Ztg. **105** 1944.—*P. susterai*, *fuscus* distinguishing characters p. 39; *vulgaris* characters p. 40; *hungaricus* **sp. n.** Hungary; *mimulus* Wesm. (=*relictus* Verh.); *klosei* Hpt. (=*haupti* Šust. p. 42) status discussed p. 41 figs., MÓCZÁR Fragm. faun. hungar. **9** 1946.—*P.* (*Balboa* p. 336, *Priocnemella*, *Priocnessus* p. 337 **subgenn. n.**), BANKS Bull. Mus. comp. Zool. Harv. **67** 1925.—*P.* (*Priocnemella fairchildi* Banks designated type; *Priocnessus neotropicalis* Cam. designated type) p. 103, PATE Trans. Amer. ent. Soc. **72** 1946.—*P.* revision of Spanish spp. pp. 123–289, list of World spp. p. 132, keys p. 145; *capciosus* p. 162, *adauctus* p. 181, *ceballosi* p. 193, *additus* p. 250, *diversus* p. 275 **spp. n.**; *fuscus* **f.n.** *scurialensis* p. 172 Spain figs., DEL JUNCO Y REYES Eos **22.** —*P. sericeiornatus* see *Calicurgus*.

Priocnessus **subgen. n.** (type *neotropicalis* Cam.) see *Priocnemis*.

Priophanes bradleyi p. 439, *posticata* p. 441 Argentina, *otiosa* Bolivia, *insolens* p. 442, *erythroptera* p. 443, *marcida* p. 444, *pallicornis* p. 445, *plagosa* (also Peru, Argentina) p. 446, *comes* p. 447, *sericosoma* p. 448, *rufigaster* p. 450, *pictipennis* p. 451 Brazil **spp. n.**, BANKS Bull. Mus. comp. Zool. Harv. **96** 1946.

Protoclavelia **subgen. n.** see *Clavelia*.

Psammochares revision of group *crassicornis* pp. 177–189 ; key p. 181 ; *subglaber*, *subnudus* p. 182, *implicatus* p. 184, *pauli* p. 189 Germany, *amplicornis* p. 184, *differens* p. 185, *arcuatus* (also Italy) Hungary, *sinuatus* p. 188, *curvatus* p. 189 France **spp. n.** figs., HAUPT Stettin. ent. Ztg. **102** 1941.—*P. cynthia* p. 391, *emortua* p. 392, *cymocles* p. 393, *allorices* p. 394, *atrimene* p. 396 Argentina, *euacantha* p. 393, *boliviana* p. 400, *pulchrisoma* p. 402 Bolivia, *vestoris* p. 395, *holmbergi* p. 397 (also Paraguay), *virilis* p. 398, *veranes* p. 401, *argelesia* p. 403 Brazil, *peruviana* Peru p. 399 **spp. n.** fig., BANKS Bull. Mus. comp. Zool. Harv. **99**.—*P. crassicornis* & allied spp. see *Psammocharoides*.

Psammocharoides **gen. n.** for *Psammochares crassicornis* Shuck. and allied spp. p. 114 ; key to European spp. p. 115 figs., MÓCZÁR Ann. Mus. hung. **39** 1946.

Pseudagenia takachihoi **sp. n.** Japan p. 447 ; key to East Asiatic spp. p. 449, YASUMATSU Trans. n.H. Soc. Taiwan **33** 1943.—*P.* key to S. American spp. p. 406 ; *auricoma* p. 408, *rufipes* p. 410, *princeps* p. 413, *amalotis* p. 414 Brazil, *peruana*, *caeruleosoma* Peru p. 412, *mendica*, *associata* Ecuador p. 416, *paniquita* Colombia p. 417 **spp. n.** figs., BANKS Bull. Mus. comp. Zool. Harv. **96** 1946.

Pycnopompilus toltecus **sp. n.** Peru p. 423, BANKS op. cit. **99**.

Reedimia **gen. n.** for *Agenia hirsutula* (type) etc. ; *infernalis* **sp. n.** Argentina p. 482, BANKS op. cit. **96** 1946.

Rhabdaporus lopesi **sp. n.** Brazil p. 422 figs., ARLÉ Rev. Ent. Rio de J. **18**.

Sericopompilus accoleus p. 433, *lucanus* p. 434, *minutus* p. 435 **spp. n.** Brazil, BANKS Bull. Mus. comp. Zool. Harv. **99**.

Sophropompilus peruanus Peru p. 430, *copiosus* Argentina p. 431 **spp. n.**, BANKS t.c.

Spuridiophorus similis **sp. n.** Somalia p. 69, GUIGLIA Boll. Soc. ent. ital. **75** 1943.

Tupiaporus **gen. n.** p. 418, *bradleyi* **sp. n.** Brazil p. 419 figs., ARLÉ Rev. Ent. Rio de J. **18**.

VESPIDAE

(including MASARIDAE, EUMENIDAE).

Catalogue of Vespids of Brussels neighbourhood, BONDROIT Ann. Soc. zool. Belge **74** 1943 pp. 106–123.

Vespids of Görgény, Rumania, CSIKI Math. term. Ert. **61** 1942 pp. 365–368.

Some Eumenids collected in Albania, GUIGLIA Boll. Soc. ent. ital. **76** 1946 pp. 38–42.

Vespids of S. Bavaria, KNOERZER Mitt. münchn. ent. Ges. **31** 1941 p. 937.

Vespids of Bamberg, Germany, SCHNEID Mitt. münchn. ent. Ges. **31** 1941 pp. 1012–1024.

Alastor muticus p. 204, *muticoides* p. 205, *bilamellatus* p. 207, *faustus* p. 208 S. Africa, *quadraticollis* S. Rhodesia p. 210 **spp. n.**, GIORDANI SOIKA Boll. Soc. venez. Stor. nat. **2** 1941 ; also described as spp. n. in Mitt. münchn. ent. Ges. **32** 1942 pp. 425, 427, 421 (spelt *bilaminatus*), 440 and 416 respectively.—*A.* revision of Ethiopian spp. pp. 399–445, key p. 399 ; *stevensoni* ♀ p. 412 figs., GIORDANI SOIKA Mitt. münchn. ent. Ges. **32** 1942.—*A. biegelebeni* Italy, Russia p. 53, *maroccanus* Morocco p. 54 **spp. n.** ; *antigai* **var. n.** *uniformis* Spain p. 55, GIORDANI SOIKA Boll. Soc. ent. ital. **74** 1942.

Ancistrocerus (*A.*) *atlanticus* ♂ p. 234 (with **var. n.** *atrurus* Cape Verde Is. p. 235) ; (*A.*) *fukaianus* **var. n.** *opulentissimus* China ; (*A.*) *septemfasciatus* **var. n.** *feanus* Burma ; (*A.*) *laminiger* ♀ p. 239 ; *agilis* **var. n.** *novae-guineae* New Guinea p. 240 ; (*Subancistrocerus*) *monstricornis* **sp. n.** Queensland p. 241 figs., GIORDANI SOIKA Boll. Soc. venez. Stor. nat. **2** 1941.—*A.* (*A.*) *iranensis* Persia p. 6, (*Eustenancistrocerus*) *danticoides* Turkestan p. 7 **spp. n.** figs., GIORDANI SOIKA op. cit. **3** 1943.—*A. rhodensis* ♂ p. 57, GIORDANI SOIKA Boll. Soc. ent. ital. **74** 1942.—*A. chotanensis* **sp. n.** Chinese Turkestan p. 311 fig., BLÜTHGEN Mitt. zool. Mus. Berl. **25** 1942.—*A. verhaereni* **sp. n.** Belgium p. 113, BONDROIT Ann. Soc. zool. Belge **74** 1943.—*A.* key to spp. of *parietum* group

p. 84; *gazelloides* **sp. n.** Sardinia p. 87, GUIGLIA Mem. Soc. ent. ital. **24** 1945.

Angiopolybia **gen. n.** for *Stelopolybia pallens* Lep., *obidensis* Ducke, *paraensis* Spin. p. 169, ARAUJO Papéis avulsos Dep. Zool. S. Paulo **7** 1946.

Atropancistrocerus see *Stenancistrocerus*.

Discoelius insignis see *Macrocalymma*.

Eremodynerus chotanensis **sp. n.** Chinese Turkestan p. 317 figs., BLÜTHGEN Mitt. zool. Mus. Berl. **25** 1942.

Eumenes key to spp. of subgen. *Ischnogasteroides* p. 97; (*I.*) *gracillimus* p. 98, (*Delta*) *priesneri* p. 104, (*Afreumenes*) *violaceus* S. & E. Africa p. 107, (*D.*) *libycus* Cyrenaica p. 102 (with **var. n.** *rubroniger* Sinai p. 103) **spp. n.**; (*E.*) *niger* **var. n.** *dimidiativentris* Palestine p. 104; (*D.*) *unguiculatus* **varr. n.** *libanicus* Libya, *mauritanicus* Morocco p. 106; (*I.*) *flavus* Magr. (= var. *tripolitanus* G.S.) p. 100; *sicheli* var. *biblicus* ♂ p. 104 figs., GIORDANI SOIKA Mem. Soc. ent. ital. **20** 1941.—*E.* (*E.*) *coarctus* **subsp. n.** *detonsus* Elburs p. 297; *pedunculatus* **subsp. n.** *turanus* Baikal p. 302; *pomiformis* **subsp. n.** *barbatulus* Portugal, Spain etc. p. 303; *turanicus* Alai, Turkestan p. 298, *kaschgaricus* Kaschgar p. 303 **spp. n.**; (*Delta*) *indetonus* ♂ p. 305, BLÜTHGEN Mitt. münchn. ent. Ges. **33** 1943.—*E.* of Finland, key p. 10; *pedunculata* **varr. n.** *lapponica*, *punctata* Finland p. 11, HELLÉN Notul. ent. **24** 1944.—*E.* revision of Finnish spp. pp. 47–55 (key p. 50) figs., MERISUO Ann. ent. fenn. **13**.—*E.* (*E.*) *glacialis* p. 96, (*E.*) *eburneopictus* p. 97, (*E.*) *septentrionalis* p. 98 **spp. n.** Siberia; (*E.*) of Oriental Palaearctic Region pp. 131–153, key p. 131; *micado* ♂ p. 137; *kiangsuensis* China p. 138, *labiatus* Formosa p. 139 (with **var. n.** *sinicus* China), *rubrofemoratus* Japan p. 145, *citreolineatus* Siam, China, Burma p. 149, *variepunctatus* Centr. Asia p. 153 **spp. n.**; *tosawae* **n. n.** for *formosanus* Tos. nec Zimm. p. 141; *punctatus* **var. n.** *formosensis* Formosa p. 144; *macrops* ♂ p. 151; (*E.*) *versicolor* Sauss. (=*fulvomaculata* Fox); (*E.*) *böttcheri* **sp. n.** Polillo I., Philippines p. 223; (*E.*) *dorycus* re-description p. 224; (*Omicron*) *microscopicus* Sauss. (=*auropilosa* Smith) p. 226; (*Paraphidoglossa*) *fulvior* **n. n.** for *fulvus* Schult. nec Ev. p. 227; key to Australian spp. p. 229 figs., GIORDANI SOIKA Boll. Soc. venez. Stor. nat. **2** 1941.—*E.* (*E.*) *fastidiosissimus* Italy, Austria, (*E.*) *punctaticlypeus* p. 29, (*E.*) *calabricus* p. 31 Italy, **spp. n.** figs., GIORDANI SOIKA op. cit. **3** 1943.

Euodynerus (*E.*) *dantici* **subsp. n.** *pamiricus* Pamirs p. 300, *iberogallicus* S. France, Spain, *hellenicus* Greece, Constantinople p. 301; (*E.*) *caspicus* **subsp. n.** *astrachanensis* Astrakhan; (*E.*) *pseudocaspicus* Turkestan p. 302, *rufinus* Transcaspia p. 303, (*E.*) *tectiformis* Egypt p. 307 **spp. n.**; (*E.*) *egregius* **subsp. n.** *barbarus* Algeria p. 306 figs., BLÜTHGEN Mitt. zool. Mus. Berl. **25** 1942.—*E. tectiformis* see *Odynerus familiaris*.

Gymnopolybia see *Stelopolybia*.

Labus sollicitus p. 181, *subobscurus* p. 183, *bekilyensis* p. 185 **spp. n.** Madagascar; *finitimus* Kohl (=*garambiensis* Beq.) p. 218, GIORDANI SOIKA Boll. Soc. venez. Stor. nat. **2** 1941.

Leptochilus alpestris **var. n.** *grandii* p. 129; *josephi* p. 130 Italy, *mirandus* p. 131 Sicily **spp. n.** fig., GIORDANI SOIKA Boll. Ist. Ent. Bologna **16**.

Leptomenes (*L.*) *europaeus* **sp. n.** Greece p. 51, GIORDANI SOIKA Boll. Soc. ent. ital. **74** 1942.—*L.* (*L.*) *laethificus* Madagascar p. 187, (*Eumenidiopsis*) *stenosoma* Somalia p. 191 **spp. n.**; (*E.*) *schulthessianus* Sauss. ♀ p. 188; (*E.*) *astutus* re-description p. 189 figs., GIORDANI SOIKA Boll. Soc. venez. Stor. nat. **2** 1941.—*L.* (*L.*) *mixtus* p. 32, (*Eumenidiopsis*) *kaokoveldensis* S. Africa, (*E.*) *brevior* p. 33, (*E.*) *eumeniformis* p. 34 S. Rhodesia, (*E.*) *sexpunctatus* S. Rhodesia, S. Africa, (*E.*) *moestus* Namaqualand p. 35 **spp. n.** figs., GIORDANI SOIKA op. cit. **3** 1943.

Macrocalymma insignis Sauss. from *Discoelius* p. 213, GIORDANI SOIKA op. cit. **2** 1941.

Nannodynerus subnudus **sp. n.** Tashkent p. 320, BLÜTHGEN Mitt. zool. Mus. Berl. **25** 1942.

Nortonia polybioides, *lugens*, *guaranitica* see *Paranortonia*.

Odynerus Latr. [1802–03] plea for adding to Official List p. 215, BENSON, FERRIÈRE & RICHARDS Bull. zool. Nomencl. **1**.—*O.* of Madagascar p. 169; *lemuriensis* p. 170, *seyrigi* p. 172, *hyalinelamellatus* p. 174, *parvilamellatus*, *antisrabensis* p. 175, *puer*

p. 176, *subventricosus* p. 177, *viridipictus*, *adulescens* p. 178, *vatondrangyensis* p. 179 **spp. n.**; *andreanus* **var. n.** *discolor* p. 174 Madagascar; (*Rhynchium*) *lateralis* **var. n.** *rhodesiensis* Rhodesia, Natal; (*R.*) *madecassus* ♂ p. 197; *trilobus* F. (=*emma* Sonan) p. 251; (*R.*) *otomitus* Sauss. (=*argelus* Cam., *managuensis* Cam.) p. 253; (*R.*) *emortualis* Sauss. (=*simplidentatus* M.W.) p. 253; (*R.*) *angulatus* ♀p. 254 (with **var. n.** *alexandriae* N. Australia); (*R.*) *succintus* ♂; (*R.*) *rubroviolaceus* **sp. n.** p. 255; (*R.*) *bicolor* **varr. n.** *nigrocinctoides*, *flavescentulus*, *aurantiopictus* Australia; (*R.*) *argentatus* F. (=*clypeatum* Cam.) p. 258; (*R.*) *pratensis* Sauss. (=*congressensis* Cam.) p. 259; (*R.*) *natalensis* Sauss. (=*intermedia* Cam.) p. 260; (*R.*) *taprobanae* Cam. (=*kanthaleyensis* G.S.); *fukaii* Cam. a var. of *haemorrhoidalis* p. 261; (*R.*) *versicolor* further description p. 262; *rufescens* Sm. a var. of *diffinis* Sauss. p. 263; (*R.*) *rikatlensis* Sch. (=*hansi* M.W.) p. 265; (*Leptochilus*) *miniatus* Sauss. (=*Pterochilus pulchellus* Sm.) p. 265; *mephitis* Cam. a var. of *miniatus* Sauss. p. 266 figs., GIORDANI SOIKA Boll. Soc. venez. Stor. nat. **2** 1941.—*O.* (*Rhynchium*) *familiaris* G. Soika (=*Euodynerus tectiformis* Blüth.) p. 8; (*R.*) *jonius* **var. n.** *clausus* N. Syria p. 11; (*R.*) *semiaethiopicus* Cape Verde Is. p. 10, (*R.*) *insanus* Rhodes p. 10, (*Leptochilus*) *neutralis* Asia Minor p. 12, (*L.*) *tarsatiformis* Palestine p. 14; (*Rhynchium*) *nekt* p. 36, (*R.*) *octavus* p. 37 Egypt **spp. n.** figs., GIORDANI SOIKA op. cit. **3** 1943. —*O.* (*Hoplomerus*) *dernensis* Grib. a form of *consobrinus* Duf. (= *biegelebeni* Dusm. p. 172, subsp. *tunetanus* Bir. p. 173), GUIGLIA Boll. Soc. ent. ital. **72** 1940.—*O.* (*Leptochilus*) *genalis* p. 9, (*L.*) *gemmeus*, (*L.*) *lucidus* p. 10, (*L.*) *volitans*, (*L.*) *immodestus* p. 12, **spp. n.** N. Africa figs., GIORDANI SOIKA Boll. Soc. ent. ital. **73** 1941.—*O. dantici* **var. n.** *lagostae* Dalmatia; (*Rhynchium*) *bidentiformis* Sardinia p. 58, (*R.*) *collariventris* Crete p. 60, (*R.*) *cherkensis* Cyprus p. 61, **spp. n.** figs., GIORDANI SOIKA op. cit. **74** 1942.—*O. scripticeps* see *Pterochilus*.

Pachymenes revision of Indo-Australian spp. pp. 102–117, key p. 102; *schneideri* p. 108, *coeruleus* p. 116 New Guinea, *vorticosus* p. 110, *rectispina* p. 112, *pseudoneotropicus* p. 113, *amicus* p. 114 Australia, *tasmaniae* Tasmania p. 113 **spp. n.**; *mediocinctus* ♂ p. 110; *flavocinctus* Sm. (=*bisulcatus* Cam.) p. 112, GIORDANI SOIKA Mem. Soc. ent. ital. **22** 1943.—*P. extraneus* ♂ p. 232, GIORDANI SOIKA Boll. Soc. venez. Stor. nat. **2** 1941.

Paranortonia **gen. n.** for *Nortonia polybioides* Schulth. (type), *N. lugens* Schulth., *N. guaranitica* Bert. p. 154; *flavotestacea* **sp. n.** Brazil p. 155 figs., GIORDANI SOIKA t.c.

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Pareumenes (*Pseumenes*) *polillensis*, (*P.*) *samariensis* **spp. n.** Philippines p. 220, GIORDANI SOIKA Boll. Soc. venez. Stor. nat. **2** 1941.

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Pterochilus scripticeps Cam. from *Odynerus*; *capensis*, *major* ♂♂ p. 200; *flavorufus* S. Rhodesia, S. Africa p. 199, *laetus* S. Africa p. 201, *paradisiacus* E. Africa p. 202, *albidus* Egypt p. 266, *bensoni* Tibet p. 268 **spp. n.**; *cosmiogaster* Cam. (=*luteicollis* Cam.) p. 267, GIORDANI SOIKA t.c.—*P. mena* Egypt p. 38, *teta* Palestine p. 40, *ata* Cyrenaica, *sempti* Algeria p. 41, *merpeba* Sinai p. 42 **spp. n.**, GIORDANI SOIKA op. cit. **3**

1943.—*P. albopictus* Kriechb. (=*nitens* Bern.); *bembeciformis* **var. n.** *circensis* Lazio p. 55; *nigrobilineolatus* Hedjaz, *lutorius* Egypt p. 56, *mochii* Sinai **spp. n.** p. 57 figs., GIORDANI SOIKA Boll. Soc. ent. ital. **74** 1942.—*P. pulchellus* see *Odynerus miniatus*.

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Paratrechina (*Paraparatrechina* **subgen. n.**) *pallida* **sp. n.** New Guinea p. 192 fig., DONISTHORPE Ann. Mag. n.H. (11) **14.**

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Hockeria key to Ethiopian spp. p. 110; *filicornis* p. 112, *intaillatus* p. 114 **spp. n.** Belg. Congo; *bidentata* **n.n.** for *bispinosa* Spin. nec Wlk. p. 82 figs., SCHMITZ t.c.

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gascariensis Madagascar p. 71 **spp. n.** figs., Masi Eos **23**.

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Isoplata geniculata characters p. 155 fig., ERDÖS t.c.

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Masioscytus **subgen. n.** (type *modiglianii* Masi) see *Picroscytus*.

Merpmalus pusztensis **sp. n.** Hungary p. 153 fig., ERDÖS Ann. h.-n. Mus. hung. **39** 1946.

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Paraterobia see *Terobiella*.

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Perilampella scindapsi **sp. n.** Sumatra p. 282 figs., FERRIÈRE in GAHAN & FERRIÈRE t.c.

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Perilampomyia notatifrons further description p. 291 fig., GAHAN & FERRIÈRE Ann. ent. Soc. Amer. **40**.

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Tepperella see *Terobiella*; *maculiscutis* see *T. nigriceps*; *trilineata* see *Trichilogaster*.

Terobiella Ashm. (= *Paraterobia* Ashm., *Tepperella* Cam., *Perilampoides* Gir.), list of spp.; *dilutiventris* Gir. from *Epiperilampus*; *nigriceps* Ashm. (= *Tepperella maculiscutis* Cam.) p. 276 fig., GAHAN & FERRIÈRE Ann. ent. Soc. Amer. **40**.

Trichilogaster trilineata Cam. (= *Coelocybelloides mediolineatus* Gir.) from *Tepperella* p. 294; *arabicus* (FERRIÈRE) Arabia p. 295, *esculentus* (FERRIÈRE) Australia p. 296 **spp. n.**; *channingi* Gir., *significatus* Gir., *ater* Gir., *adolphi* Gir., *atricorpus* Gir. (& subsp. *socratis* Gir.) from *Epiperilampus* p. 297 figs., GAHAN & FERRIÈRE t.c.

Trichilogastroides **gen. n.** for *Cynips acaciae-discoloris* Frogg. p. 298 figs., FERRIÈRE in GAHAN & FERRIÈRE t.c.

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Elasmus revision of European spp. pp. 565–580, key p. 568; *arcuatus* p. 571, *nowickii* p. 573, *rufiventris* p. 576 France, *cyprianus* p. 571, *phthorimaeae* p. 572 Cyprus, *giraudi* Austria, Dalmatia p. 577, *vibicellae* Bulgaria, Asia Minor p. 578, *elongatus* Maritime Alps, Italy, Austria, Dalmatia p. 579 **spp. n.**; *schmitti* Ruschka (= *invreae* Masi) p. 570 figs., FERRIÈRE Mitt. schweiz. ent. Ges. **20**.

Euryischia systematic position discussed p. 381 figs., COMPERE Bull. ent. Res. **38**.

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Aprostocetus phytolymae **sp. n.** Ivory Coast p. 167 figs., RISBEC Agron. trop., Nogent sur Marne **2**.

Euplectrus taiwanus **sp. n.** Formosa p. 219, SONAN Trans. n.H. Soc. Formosa **32** 1942.

Tetrastichus oophagus **sp. n.** Germany p. 160 figs., OTTEN Arb. physiol. angew. Ent. Berl. **9** 1942.—*T. anthophilus* p. 85, *hesperius* p. 88 **spp. n.** Illinois figs., BURKS Ent. News **58**.

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Camptoptera loretoensis p. 495, *missionica* p. 499, *reticulata* p. 501, *angustipennis* p. 504 **spp. n.** Argentina figs., OGLOBLIN Acta zool. lilloana **4**.

Ferrierella **gen. n.**, *neopratensis* **sp. n.** Austria p. 182, SOYKA Zbl. GesamtGeb. Ent. **1** 1946.

Fulmekiella **gen. n.**, *hundsheimensis* **sp. n.** Austria p. 184, SOYKA t.c.

Hofenederia **gen. n.**, *pectoralis* **sp. n.** Austria p. 183, SOYKA t.c.

Maidliella **gen. n.**, *neofuscipes* **sp. n.** Holland p. 178, SOYKA t.c.

Mymar Curt. (=*Anaphes* Hal.), *punctum* Shaw, *fuscipennis* Hal. rejected as type; *ferrierei* **sp. n.** Tyrol (designated genotype) p. 180, SOYKA t.c.—*M. pulchellus* see *Ogloblinella*.

Novickyella **gen. n.** for *Polynema gracilior* Soyka, further description p. 179, SOYKA Zbl. GesamtGeb. Ent. **1** 1946.

Ogloblinella **gen. n.** for *Mymar pulchellus* Curt. p. 180, SOYKA t.c.

Ooctonus aphrophorae **sp. n.** Wisconsin p. 219, MILLIRON Ann. ent. Soc. Amer. **40**.

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Stethynium annulatum **sp. n.** California p. 152 figs., DOUTT Pan-Pacif. Ent. **23**.

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Angitia macrostoma ♀, larva p. 75 figs., ROBERTI Boll. Lab. Ent. agr. Portici **7**.

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Aulophion **gen. n.** (Ophionini) p. 458, *bicarinatus* (type) Costa Rica, *excarinatus* Venezuela p. 459 **spp. n.** figs., CUSHMAN Proc. U.S. nat. Mus. **96** no. 3206.

Australophion inflatus **sp. n.** New Zealand p. 440, CUSHMAN t.c.

Boethoneura **gen. n.** (Ophionini) p. 451, *arida* **sp. n.** Mexico p. 452 fig., CUSHMAN t.c.

Campoplex haywardi **sp. n.** Argentina p. 295 figs., BLANCHARD Acta zool. lilloana **3**.—*C.* key to spp. of Holland p. 249; *libertatis* p. 265, *försteri*, *praecox* p. 266, *carinifer* p. 268, *adriaansei* p. 269, *cornellus* p. 270 **spp. n.** Holland; *oxyacanthae* Boie (=*angustatus* Thoms.) p. 265; *politus* Först. (=*flavipalpis* Först., *spoliator* Först., *medianus* Först.); *confusus* Först. (=*consimilis* Schmied.); *contumax* Först. (=*foveolatus* Först.); *subcinctus* Först. (=*circumcinctus* Först.) p. 267; *remotus* Först. (=*blandus* Först.); *peraffinis* ♀ p. 270 figs., TEUNISSEN Tijdschr. Ent. **88**.

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Coelichneumon comitator **ab. n.** *marginatus* Finland p. 42, HELLÉN Notul. ent. **20** 1941.—*C. centummaculatus* **ab. n.** *submaculatus*; *falsificus* **ab. n.** *apicimacula* p. 1 Finland, HELLÉN op. cit. **26** 1946.

Coracophion see *Aglaophion*.

Cryptogelis **subgen. n.** see *Gelis*.

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Diplazon tetragonus **ab. n.** 4-*cinctus* Finland p. 81, HELLÉN Notul. ent. **22** 1942.

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Hybopleurax see *Aglaophion*.

Hyposoter denieri **sp. n.** Argentina p. 300 fig., BLANCHARD Acta zool. lilloana **3**.

Ichneumon devergentis **sp. n.** Switzerland p. 782, BAUER Mitt. münchn. ent. Ges. **31** 1941.

Idechthis atricolor **sp. n.** Hungary p. 10, GYÖRFI Fragm. faun. hungar. **9** 1946.—*I. pastranai* **sp. n.** Argentina p. 289 fig., BLANCHARD Acta zool. lilloana **3**.

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Leptophion see *Enicospilus*.

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Mesochorus politus **ab. n.** *facialis* Finland p. 83, HELLÉN op. cit. **22** 1942. —*M. pectoralis* Ratz. (= *stigmaticus* Brischke) p. 433, BLUNCK Z. angew. Ent. **30** 1944.

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Neophion see *Ophion*.

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Notamorphota **gen. n.** (Campopleginae), *timocraticae* **sp. n.** Argentina p. 292 fig., BLANCHARD Acta zool. lilloana **3**.

Notomeris dorsalis **ab. n.** *flavomarginalis* Finland p. 2, HELLÉN Notul. ent. **24** 1944.

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Phygadeuon key to British spp. of *fumator* group p. 35; *londinensis* p. 29, *notaulius*, *ragensis*, *compactus*, *lincolniae* p. 36, *rubricaudus*, *sudvoldensis*, *surriensis*, *gallevensis*, *elliotti*, *devonensis* p. 37 **spp. n.** England, MORLEY Trans. Suffolk Nat. Soc. **6**.

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Pimpla daitojimana **sp. n.** Okinawa p. 369, SONAN Trans. n.H. Soc. Formosa **30** 1940.

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Psylonychia algiricus Szépl. designated type p. 476, CUSHMAN t.c.—See *Stenophthalmus*.

Rhynchophion flammipennis Ashm., *ligulifer* Morl. from *Thyreodon* p. 431, CUSHMAN Proc. U.S. nat. Mus. **96** no. 3206.

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Stauropoctonus Brauns (=*Nipponophion* Uchida) p. 456; *chezanus* **sp. n.** Szechwan p. 457 figs., CUSHMAN t.c.

Stenophthalmus Szépl. (=*Psylonychia* Szépl.) p. 476, CUSHMAN t.c.

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Stiphrosomus antilope **ab. n.** *nigricoxa*; *montanus* **ab. n.** *facialis* Finland p. 50, HELLÉN Notul. ent. **20** 1941.

Therion key to spp. of northeastern United States p. 202; *nigripes* **sp. n.** U.S.A. p. 201, DREISBACH J.N.Y. ent. Soc. **55**.

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Trematopygus scabriculus **abb. n.** *exareolatus, facialis* Finland p. 5, HELLÉN Notul. ent. **24** 1944.

Trophophion **gen. n.** (Ophionini) p. 447, *tenuiceps* **sp. n.** Arizona p. 449 figs., CUSHMAN Proc. U.S. nat. Mus. **96** no. 3206.

Tryphon thomsoni **sp. n.** N. Europe p. 203, ROMAN Ent. Tidskr. **60** 1939. —*T. relator* **ab. n.** *nigropyga*; *thomsoni* **ab. n.** *cingulatus* Finland p. 4, HELLÉN Notul. ent. **24** 1944.

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Agathis rufipalpis **ab. n.** *striiventris* Finland p. 131, HELLÉN Notul. ent. **25** 1946.

Apanteles gracilariae p. 217, *theae* p. 218, *heichinensis* p. 245, *taiwanensis* p. 246, **spp. n.** Formosa, SONAN Trans. n.H. Soc. Formosa **32** 1942.—*A. areolaris* p. 6, *crouzeli* p. 8, *desantisi* p. 10, *haywardi* p. 12, *lesbiae* (=*grioti* Blanch. MS.) p. 14, *lizeri* p. 16, *piceotrichosus* p. 18, *subandinus* p. 30 **spp. n.** Argentina; *ayerzai* Brèth. (=*williamsoni* Blanch.) 8; *muesebecki* **n. n.** for *militaris* Blanch. nec Walsh p. 18 figs., BLANCHARD Arthropoda **1**.—*A. medicaginis* p. 21, *praesens* p. 23 **spp. n.** California, MUESEBECK Pan-Pacif. Ent. **23**.—*A. ruficrus* early stages p. 229 figs., HAFEZ Bull. Soc. Fouad Ier Ent. **31**.—*A. henicopus* p. 152, *parvicornis* p. 155, *anubis* p. 158, *horus* p. 163, *melanotus* p. 166 (with **ab. n.** *rubens* p. 168), *cuspidalis* p. 169, *simulissimus* p. 171, *agynus* p. 173, *lissopleurus* p. 175, *simus* p. 176 (with **abb. n.** *moko, mibale, misatu, mine* p. 179, *mitanu*), *venustus* p. 180, *gahinga* p. 184, *melissus* p. 187, *argus* p. 188, *amenophis* p. 189, *ninus* p. 192, *intricatus* p. 194, *cinyras* p. 198, *osiris* p. 200, *achaeus* p. 204, *hiero* p. 208, *neleus* p. 210, *bifissus* p. 212, *circinus* p. 214, *epaphus* p. 216, *tereus* p. 217, *triptolemus* p. 218 (with **ab. n.** *pullus* p. 221), *elaeodes* p. 222, *hyperion* p. 224, *nycteus* p. 227, *transutus* p. 230, *thespis* p. 233, *montanus* p. 236, *burunganus* p. 239, *nitidus* p. 243, *valvatus* p. 246 (with **subsp. n.** *rwindicus* p. 249), *bellatulus* p. 250 (with **ab. n.** *simulator* p. 253), *wittei* p. 254 (with **abb. n.** *anthracomerus* p. 258, *sake* p. 259, *kamatembe* p. 260), *bitalensis, gandoensis* p. 261, *vivax* p. 262, *laxus* p. 265, *gitebe* p. 268, *sarpedon* p. 271, *alastor* p. 275 (with **ab. n.** *nyongera* p. 277), *megagaster* p. 278, *longistylus* p. 281 (with **ab. n.** *kashwa* p. 284), *fallax* p. 285, *cyclorhaphus* p. 287, *pelops* p. 288 (with **ab. n.** *nigricoxis*), *xanthopholis* p. 292, *furax* p. 295, *arundinariae* p. 298, *sylvaticus* p. 301, *conspicabilis* p. 302, *fontinalis* p. 305, *cato* p. 308, *subaltus* p. 312 (with **ab. n.** *nigrifemur* p. 313) **spp. n.**; *propylae* **abb. n.** *punctulatus* p. 162, *rutshuruensis* p. 163; *eutelus* **ab. n.** *lacteipennis* p. 183; *mlanje* **abb. n.** *mimus* p. 206, *metus, nox* p. 207; *ghesquièrei* **ab. n.** *rufipes* p. 242; *luteocinctus* **abb. n.** *kirii* p. 270, *kabasha, rutshuru* p. 271 Belg. Congo; *pentagonius* **n. n.** for *wilkinsoni* De S. nec Fahr. p. 317 figs., DE SAEGER Explor. Parc nat. Albert, Miss. de Witte (1933–35) fasc. 47 1944.

Aridelus kirckpatricki p. 17 (with **ab. n.** *orientalis* p. 18), *funerator* p. 22, *ruandicus* p. 24, *mellipes* p. 28, *rwindicus* p. 30, *rutshuricus* p. 32 **spp. n.** Belg. Congo; *africanus* Brues p. 19, *luteus* Szépl. p. 20, *coffeae* Brues p. 21, *cameroni* Szépl. p. 23, *bicolor* Szépl. p. 26 from *Helorimorpha* figs., DE SAEGER op. cit. fasc. 50 1946.

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Biosteres blandus **ab. n.** *apicatus* Finland p. 133, HELLÉN Notul. ent. **25** 1946.

Bispinariopsis **gen. n.** for *Atanycolus tomentosus* Szépl. p. 37, FAHRINGER Arb. morph. taxon. Ent. Berl. **9** 1942.

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Centistina congoana p. 118, *afra* p. 122 **spp. n.** Belg. Congo figs., DE SAEGER Explor. Parc nat. Albert, Miss. de Witte (1933–35) fasc. 50 1946.

Chelonella sulcata early stages p. 206 figs., ABDEL-MALEK Ohio J. Sci. **47**.

Chelonus pulchricornis further description p. 46, MASI Boll. Soc. ent. ital. **73** 1941.

Cratobracon (*Merinotus*) *cinereicauda* **sp. n.** Java p. 38; *insularis* **var. n.** *breviterebra* Borneo p. 39, FAHRINGER Arb. morph. taxon. Ent. Berl. **9** 1942.

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Earinus nitidulus **ab. n.** *scutellaris*; *delusor* **ab. n.** *laevis* Finland p. 131, HELLÉN Notul. ent. **24** 1946.

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p. 70; *alfacariensis calida* **ab. n.** *pierardi* France p. 71; *electo pseudohecate* **ab. n.** *dormonti* Belg. Congo p. 72; *croceus* **abb. n.** *berioi* Italy, *irregulata* Belgium p. 73, DUFRANE Bull. Ann. Soc. ent. Belg. **83.**

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Dorilas ater Mg. (=*Pipunculus hertzogi* Rapp); *aequus* var. *argryofrons* (=*Allomethus oleous* Rapp); *dudai* **n. n.** for *curvitibia* Duda nec Hardy; *electus* **n. n.** for *caudatus* Duda nec Cress. p. 146; *peruensis* **n. n.** for *umbrinus* Beck. nec Lw.; (*D.*) *apicarinus* Hardy & Knowl. raised to sp. from *Pipunculus* p. 147; (*Eudorylas*) *bilobus* p. 148, (*E.*) *dives* p. 149 **spp. n.**; (*E.*) *tarsalis* ♀ p. 150 figs., HARDY J. Kans. ent. Soc. **20.**—*D. propinqua* see *Tömösváryella*.

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Isoconia **gen. n.** for *Tephrella nigricosta* Bez. pp. 100, 104, *Aciura caeca* Bez., *Metasphenisca haematopoda* Bez. p. 105, *A. grandidieri* Bez. p. 112, *A. tetrachaeta* Bez. p. 114, *A. interrupta* Mro. (raised to sp.) p. 117, *Platensina reinhardi* Wied., *M. parallela* Her. p. 121, *M. nigriseta* Bez. p. 123, *T. phantasma* Her. p. 169; *discocephala* p. 104, *ghenti* (type) p. 108, *hazelae* p. 110, *marmorae* p. 121, *atricomata* p. 125, *rubida* p. 106 S. Africa, *bifaria* S. India p. 111, *axilatra*, *frondifer* (also Kenya, Sudan, S. Rhodesia) Uganda p. 112, *transilis* Kenya, Abyssinia, Sudan, E. Africa p. 120 **spp. n.** figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.

Jacotella **gen. n.** for *Aciura basimacula* Bez. p. 136, *A. angusta* Lw. (type) p. 138, *A. sphenoptera* Bez., *Tephrella semiangusta* Bez., *A. oborinia* Wlk. p. 140, *T. phantasma* Her. p. 142; *latecuneata* **sp. n.** S. Africa, Belg. Congo p. 137 figs., MUNRO t.c.

Kertésziola **gen. n.** for *Ptilona lateralis* Kert. p. 50, HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.

Mastigolina rufocomata **sp. n.** Kenya p. 221 figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.

Melanodacus satanellus **sp. n.** New Guinea p. 48, HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.

Metasphenisca micrura Nyasaland p. 285, *malayana* Tenasserim p. 286 **spp. n.**, HERING Mitt. zool. Mus. Berl. **25** 1942.—*M. gracilipes* Lw. (= *Tephrella cyclopica* Bez., *Trypeta w-fuscum* End.) p. 128; *bezziana* End. (= *Aciura latincisca* Bez.) p. 130; *longulior* Mro. from *Aciura* p. 131 figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.—*M. haematopoda*, *parallela*, *nigriseta* see *Isoconia*; *angulicornis* see *Dicheniotes*.

Neodacus lanceolatus Perk. (= *Dacus albolateralis* Mall.); *séguyi* Her. (= *D. peculiaris* Mall.) from *Strumeta* p. 53, HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.

Nesadrama see *Diplochorda*.

Notoxesis **gen. n.** for *Spheniscomyia binaria* Lw. (type) p. 144, *S. senaria* Bez.; *b.* **varr. n.** *adepta* Transvaal, *septa* Kenya p. 146 figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.

Oedaspis (*Bulgaroedaspis* **subgen. n.** pp. 94, 124), *sofianus* **sp. n.** Bulgaria pp. 95, 124 figs., DRENSKY Annu. Univ. Sofia, Fac. Phys.-Math. **39** 1943.

Paracantha sobrina Costa Rica p. 52, *gentilis* Wyoming **spp. n.**; key to spp. p. 53 fig., HERING Arb. morph. taxon. Ent. Berl. **7** 1940.

Paraciura **gen. n.** for *Aciura perspicillaris* Bez. p. 284, HERING Mitt. zool. Mus. Berl. **25** 1942.

Pardalaspis melanopus **sp. n.** Sierra Leone, Spanish Guinea p. 282, HERING t.c.—*P. epixantha* **sp. n.** E. Africa p. 69 fig., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.—*P. aglaspis* see *Bistrispinaria*.

Paroxyna putrida Lombok, Flores p. 39, *gemina* Flores, Celebes p. 40 **spp. n.** figs., HERING Arb. morph. taxon. Ent. Berl. **8** 1941.—*P. paula* **sp. n.** New Guinea p. 64 fig., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.

Pediapelta **gen. n.** p. 171, *spadicescens* (type) Transvaal, Cape Province, Natal, *alexina* S. Rhodesia p. 173, *enzoria* Uganda p. 174, *aenea* Kenya p. 176 **spp. n.**; *ternaria* Lw. from *Spheniscomyia* p. 175 figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.

Peratomixis **gen. n.**, *miranda* **sp. n.** Basutoland p. 236 figs., MUNRO t.c.

Perilampsis arguta see *Trirhithrum*.

Perirhithrum kovácsi **sp. n.** Abyssinia p. 74 fig., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.

Phaeospilodes poeciloptera Kert. from *Ptilona*; key to spp. p. 49; *bambusae* **sp. n.** S. India p. 50 HERING t.c.—*P. atrifacies* **sp. n.** Lombok p. 32 fig., HERING Arb. morph. taxon. Ent. Berl. **8** 1941.

Phagocarpus Rdi. (= *Anomoia* Wlk. preocc.) sep. p. 9, COLLIN Ent. Rec. **59**.—*P. vanus* **sp. n.** Formosa p. 279 fig., HERING Mitt. zool. Mus. Berl. **25** 1942.

Platensina dilatata New Guinea p. 63, *fulvifacies* India p. 71 **spp. n.** fig., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.—*P. nigrodiscalis* **sp. n.** Uganda p. 213; *zodiacalis* Bez. from *Tephritis* p. 219 figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.—*P. reinhardi* see *Isoconia*.

Pliomelaena exilis Southern Rhodesia p. 197, *discosa* Natal, Kenya p. 198, *joanetta* Transvaal p. 207 **spp. n.**; *brevifrons* (with **subspp. n.** *perspicua* Kenya, Cameroons, *regressa* Uganda p. 206) redescription p. 203 figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.

Procecidochares utilis **sp. n.** Hawaii p. 97 fig., STONE Proc. Hawaii. ent. Soc. **13**.

Pseudacrotoxa **gen. n.** p. 51, *appendicigera* **sp. n.** New Guinea p. 52 fig., HERING Ann. h.-n. Mus. hung. (Zool.) **34** 1941.

Pseudospheniscus erebius **sp. n.** New Guinea p. 62 fig., HERING t.c.

Ptilona poeciloptera see *Phaeospilodes*; *bischofi* see *Staurella*; *variabilis* see *Cyclopsia*; *lateralis* see *Kertésziola*.

Pycnella **gen. n.** for *Zacerata taomyioides* Bez. p. 95 figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.

Rabaulia nigrotibia **sp. n.** New Guinea p. 61 fig., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.

Rhabdochaeta gladifera **sp. n.** India p. 73 fig., HERING t.c.—*R. multilineata* **sp. n.** Flores, Celebes p. 44 fig., HERING Arb. morph. taxon. Ent. Berl. **8** 1941.—*R. mucronotata* Ceylon p. 289, *advena* Nyasaland p. 290 **spp. n.** fig., HERING Mitt. zool. Mus. Berl. **25** 1942.

Soósina **gen. n.** for *Anastrepha extranea* de Meij. p. 68, HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.

Soraida **gen. n.** p. 34, *tenebricosa* **sp. n.** Lombok p. 35, HERING Arb. morph. taxon. Ent. Berl. **8** 1941.

Spathulina munroi and var. *majuscula* see *Bezziella margaritifera*.

Sphaeniscus see *Spheniscomyia*.

Spheniscomyia Bez. (=*Sphaeniscus* Beck.) p. 158; *quadrincisa* Wied. from *Trypeta*, *sexmaculata* Macq. from *Acidia* p. 160, synonymy discussed p. 161 figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.—*S. binaria*, *senaria* see *Notoxesis*; *quaternaria*, *quinaria* see *Conionota*; *compacta* see *Ypsilomena*; *capensis* see *Tanaosema*; *neavei* var. *chyuluensis* see *T. austeni*; *ternaria* see *Pediapelta*; *neavei* see *Gymnaciura*.

Staurella bischofi Kert. from *Ptilona* p. 49; *flavina* **sp. n.** New Guinea p. 56 fig., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.—*S. circumscripta* **sp. n.** Flores p. 28 fig., HERING Arb. morph. taxon. Ent. Berl. **8** 1941.

Strumeta persignata **sp. n.** Flores p. 27 fig., HERING t.c.—*S. rutila* p. 45, *cacuminata* p. 46, (*Bactrocera*) *recurrens* p. 47, *exspoliata* p. 54, **spp. n.** New Guinea figs., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.—*S. séguyi* see *Neodacus*.

Taeniostola striatipennis **sp. n.** Borneo p. 68 fig., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.—*T. melli* **sp. n.** Canton p. 276 fig., HERING Mitt. zool. Mus. Berl. **25** 1942.

Tanaosema **gen. n.** for *Spheniscomyia neavei* Bez. (type), p. 164, *Tephrella austeni* Mro. (=*S. neavei* var. *chyuluensis* Mro.), *S. capensis* Rond. p. 165, MUNRO Mem. ent. Soc. sthn Afr. no. 1.

Tephraciura **gen. n.** for *Trypeta oborinia* Wlk. (type), *angusta* Lw. p. 108, HERING Boll. Soc. ent. ital. **73** 1941.

Tephrella nigricosta, *phantasma* see *Isoconia*; *cyclopica* see *Metasphenisca gracilipes*; *semiangusta*, *phantasma* see *Jacotella*; *austeni* see *Tanaosema*; *limbata* see *Brachyaciura*; *polyspila* see *Dicheniotes*.

Tephritis zodiacalis see *Platensina*.

Tetreuaresta rufula Colombia p. 286, *copiosa* Brazil p. 287 **spp. n.** figs., HERING Mitt. zool. Mus. Berl. **25** 1942.

Tomoplagia arsinoë **sp. n.** Colombia p. 285, HERING t.c.

Trirhithrum arguta End. from *Perilampsis* p. 290; *ochriceps* End. from *Ceratitis* and not synonym of *occipitale* Bez. p. 291, HERING t.c.

Trypanea mallochi p. 50, *paupercula* p. 51 Costa Rica, *orfila* Abyssinia p. 57 **spp. n.** figs., HERING Arb. morph. taxon. Ent. Berl. **7** 1940.—*T. mutabilis* Flores, *stulta* p. 42, *renschi* Soembawa, *opprimata* Celebes, Flores p. 43 **spp. n.** figs., HERING op. cit. **8** 1941.—*T. amoena* early stages, adult p. 108, TREHAN Indian J. Ent. **8**.

Trypeta buddha **sp. n.** India p. 278 fig., HERING Mitt. zool. Mus. Berl. **25** 1942.—*T. w-fuscum* see *Metasphenisca gracilipes*; *quadrincisa* see *Spheniscomyia*; *adatha* see *Elaphromyia*; *oborinia*, *angusta* see *Tephraciura*.

Urophora flexuosa status discussed p. 133, MUNRO Mem. ent. Soc. sthn Afr. no. 1.

Xarnuta cribralis **sp. n.** New Guinea p. 57 fig., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.

Xyphosia miliaria **subsp. n.** *balcanica* Bulgaria pp. 108, 123 figs., DRENSKY Annu. Univ. Sofia, Fac. Phys.-Math. **39** 1943.

Ypsilomena **gen. n.** for *Spheniscomyia compacta* Bez. p. 153 figs., MUNRO Mem. ent. Soc. sthn Afr. no. 1.

Zacerata taomyioides see *Pycnella*.

Zeugodacus exornatus **sp. n.** New Guinea p. 55 fig., HERING Ann. h.-n. Mus. hung. **34** (Zool.) 1941.—*Z. bezzianus* **sp. n.** India p. 26, HERING Arb. morph. taxon. Ent. Berl. **8** 1941.

RHOPALOMERIDAE.

Mexicoa **gen. n.**, *mexicana* **sp. n.** Mexico p. 225 figs., STEYSKAL Proc. ent. Soc. Wash. **49**.

OTITIDAE (ORTALIDAE, PLATYSTOMIDAE, PYRGOTIDAE, RICHARDIIDAE, PHYTALMIIDAE, ULIDIIDAE).

Achias kurandana p. 315, *apictipennis* p. 316 **spp. n.** Queensland figs., HENNIG Arb. morph. taxon. Ent. Berl. **7** 1940.

Adapsilia alini p. 289, *dorsocentralis* p. 291 **spp. n.** Manchuria figs., HERING t.c.

Apterocerina amoena End., *excellens* End., *fasciipennis* End. from *Paragorgopsis* p. 198, HERING Mitt. münchn. ent. Ges. **31** 1941.

Automola leopardina **sp. n.** Argentina p. 92 figs., BLANCHARD Rev. argent. Ent. **1** 1938.

Diacrita costalis, *aemula* further descriptions p. 150 ; *plana* **sp. n.** p. 151 U.S.A. figs., STEYSKAL Bull. Brooklyn ent. Soc. **41**.

Elassogaster floresana **sp. n.** Flores p. 21 figs., HENNIG Arb. morph. taxon. Ent. Berl. **8** 1941.

Euprosopia curtoides **sp. n.** Formosa p. 312 fig., HENNIG op. cit. **7** 1940.

Eupterocerina **gen. n.**, *conjuncta* **sp. n.** Argentina p. 91 figs., BLANCHARD Rev. argent. Ent. **1** 1938.

Herina hennigi **sp. n.** Manchuria p. 294 figs., HERING Arb. morph. taxon. Ent. Berl. **7** 1940.

Parageloemyia ornata **sp. n.** Manchuria p. 292 fig., HERING t.c.

Paragorgopsis amoena, *excellens*, *fasciipennis* see *Apterocerina*.

Plagiostenopterina aberrans see *Pogonortalis uncinata*.

Pogonortalis uncinata de Meij. (= *Plagiostenopterina aberrans* Frey) p. 22, HENNIG Arb. morph. taxon. Ent. Berl. **8** 1941.

Pterocerina hendeli p. 85, *nigricauda* p. 87, *obliteratella* p. 88, *scalaris* p. 89 **spp. n.** Argentina figs., BLANCHARD Rev. argent. Ent. **1** 1938.—*P. paradoxa* **sp. n.** Brazil p. 200 figs., HERING Mitt. münchn. ent. Ges. **31** 1941.

Pterogenia flavopicta p. 313, *ornata*, *minuspicta* p. 314 **spp. n.** Formosa figs., HENNIG Arb. morph. taxon. Ent. Berl. **7** 1940.

Rivellia sumbawana **sp. n.** Soembawa p. 23 fig., HENNIG Arb. morph. taxon. Ent. Berl. **8** 1941.

Seioptera characters p. 73 ; *importans* Chile p. 74, *demonstrans* Manchuria p. 75 **spp. n.** figs., HENNIG Arb. morph. taxon. Ent. Berl. **8** 1941.

Stenopterina chiriquiana **sp. n.** Colombia p. 317 fig., HENNIG op. cit. **7** 1940.

Teliophleps mandschurica **sp. n.** Manchuria p. 288 fig., HERING t.c.

Xiria papuana p. 316, *strigata* p. 317 **spp. n.** New Guinea figs., HENNIG t.c.

SEPSIDAE (PIOPHILIDAE).

Formicosepsis tinctipennis transferred to MICROPEZIDAE q.v.

MICROPEZIDAE (NERIIDAE, TYLIDAE).

Calobata (*Compsobata*) *nitidicollis* **sp. n.** Finland p. 65 ; *nigricornis* Zett. (=*commutata* Cz.) p. 66, FREY Notul. ent. **26**.

Cypselosoma gephyrae characters p. 130, HENNIG Stettin. ent. Ztg. **102** 1941.

Formicosepsis tinctipennis from Sepsidae p. 129, HENNIG t.c.

PSILIDAE.

Chamaepsila rosae and allied spp. key p. 37 figs., HENNIG Arb. physiol. angew. Ent. Berl. **8** 1941.

Chyliza selectoides **sp. n.** Formosa p. 304 figs., HENNIG Arb. morph. taxon. Ent. Berl. **7** 1940.

Loxocera formosana Formosa p. 306, *africana* Tanganyika p. 309 **spp. n.** figs., HENNIG t.c.—*L. albiseta* larva p. 57 figs., DE MEIJERE Tijdschr. Ent. **88**.

Megamerina dolium early stages p. 205 figs., HENNIG Arb. morph. taxon. Ent. Berl. **10** 1943.

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CHLOROPIDAE (OSCINIDAE).

Notes on British Oscinellinae, GRENSTED Ent. mon. Mag. **83** pp. 54–55.

Key to larvae of Chloropid genn., HENNIG Arb. physiol. angew. Ent. Berl. **10** 1943 p. 118.

List of Chloropidae of Iowa, REDLINGER & JAQUES Proc. Iowa Acad. Sci. **51** 1945 pp. 471–472, 1 fig.

Elachiptera pauliani **sp. n.** Ivory Coast p. 6, SÉGUY Encycl. ent. (B) II Dipt. **10** 1946 ; also in Bull. Soc. ent. Fr. **52** p. 96.—*E. tenuiseta* **sp. n.** Finland p. 68, FREY Notul. ent. **26**.

Epimadiza revision of African spp. pp. 821–851, key p. 828 ; *nigricoxa* Kenya p. 833, *spiculata* p. 836, *munroi* (also Sierra Leone, S. Nigeria) p. 837, *longispina* p. 841, *auripes* p. 845, *pectinata* p. 849 S. Africa, *auricoxa* Nyasaland p. 838, *montana* p. 844, *spinetum* p. 847, *nana* p. 848, *flavibasis*

p. 850 Uganda **spp. n.**; *hirta* Mall. a valid sp. p. 834 figs., SABROSKY Ann. Mag. n.H. (11) **13.**

Goniopsita oophila **sp. n.** Germany p. 198 figs., HENNIG Arb. morph. taxon. Ent. Berl. **8** 1941.—*G. conicola* **sp. n.** Germany p. 43; HERING Z. PflKrankh. **51** 1941.

Haplegis nigritarsis larva p. 120 figs., HENNIG Arb. physiol. angew. Ent. Berl. **10** 1943.

Leptopeltastes see *Onychaspidium.*

Neuropachys minima **sp. n.** Belgium p. 1 figs., VANSCHUYTBROECK Bull. Mus. H.n. Belg. **21** 1945 no. 7.

Onychaspidium End. resurrected (= *Leptopeltastes* End.) p. 176, SABROSKY Ent. News **58.**

Opsiceras **gen. n.**, *bistriatus* **sp. n.** Senegal p. 12, SÉGUY Encycl. ent. (B) II Dipt. **10** 1946.

Oscinosoma milii p. 10, *risbeci* p. 11 **spp. n.** Senegal, SÉGUY t.c.

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Ephygrobia electa see *Typopsilopa.*

Hydrellia stratiotella, propingua [sic] **spp. n.** Sweden p. 78, WAHLGREN Opusc. ent. Lund **12.**

Nostima (*N.*) *niveofasciata* p. 40, (*N.*) *spilogaster* p. 41, (*Philygriola*) *flavida* Costa Rica, (*P.*) *nitidigaster* Peru p. 43 **spp. n.**, CRESSON Trans. Amer. ent. Soc. **73.**

Notiphila key to African spp. p. 123; (*N.*) *pokuma* Sierra Leone, Kenya etc. p. 122, (*N.*) *cana* Belg. Congo p. 123 **spp. n.**; (*Agrolimna*) *venusta* **subsp. n.** *kenyaensis* Kenya p. 119; (*A.*) *venusta obscuricornis* Loew (= *varitarsis* Adams) p. 118; (*N.*) *ignobilis* Lw. (= *confinis* Adams) p. 120, CRESSON t.c.

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Psilopina see *Typopsilopa.*

Setacera see *Ephydra.*

Typopsilopa Cress. (= *Psilopina* Beck.); *electa* Beck. (= *tonga* Cress., *Ephygrobia electa* Beck.) p. 123, CRESSON Trans. Amer. ent. Soc. **73.**

DROSOPHILIDAE.

Asteia nudiseta **sp. n.** Hawaii p. 55, SABROSKY Proc. Hawaii. ent. Soc. **13.**

Clastopteromyia Mall. (= *Diathoneura* Duda p. 3) revision of S. American spp. pp. 6–39, key p. 9; *armata* p. 15, *carrerai* p. 20, *cavalcantii* p. 24, *iheringi* p. 26, *pilifrons* p. 28, *montei* p. 30, *bicolor* p. 31, *lopesi* p. 33, *travassosi* p. 34 **spp. n.** Brazil; *bomplandi* p. 18, *opaca* p. 22 redescriptions figs., FROTA-PESSOA Summa bras. Biol. **1.**

Diathoneura see *Clastopteromyia.*

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Dudaica **n. n.** for *Macropalpus* Duda nec Ratz. p. 212, STRAND Folia zool. hydrobiol. **12** 1943.

Macropalpus see *Dudaica.*

MILICHIIDAE.

Pseudopomyza atrimana ♂ p. 63 fig., HENNIG Arb. morph. taxon. ent. Berl. **8** 1941.

AGROMYZIDAE (PHYTOMYZIDAE).

Notes on Finnish Agromyzids, FREY Notul. ent. **26** 1946 pp. 13–55.

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Agromyza lapponica **var. n.** *normalis* Finland p. 47, FREY Notul. ent. **26** 1946.

Cerodonta (**subgen. n.** *Xenophytomyza* p. 51), FREY t.c.

Dizygomyza (*Poemyza*) *lunzensis* **sp. n.** Austria p. 246, HERING in LINDNER Mitt. münchn. ent. Ges. **33** 1943.—*D.* (**subgen. n.** *Nemorimyza* p. 42), key to spp. p. 43; (*Poëmyza*) *storâi* p. 45, (*P.*) *stackelbergi* p. 46, (*P.*) *crassinervis* p. 47 **spp. n.**; (*D.*) *pygmina* **var. n.** *approximatonervis* p. 46 Finland, FREY Notul ent. **26** 1946.

Liriomyza key to spp.; (*Haplomyza*) *xanthaspioides* p. 48, (*L.*) *virgula*, (*L.*) *adolescens* p. 49, (*L.*) *breviseta* p. 50 **spp. n.**; (*L.*) *flaveola* **var. n.** *singularis* p. 49 Finland, FREY t.c.

Nemorimyza **subgen. n.** (type *posticata* Mg.) see *Dizygomyza*.

Ophiomyia aquilegiana **sp. n.** Sweden p. 74 figs., LUNDQVIST Opusc. ent. Lund **12**.

Phytagromyza xylostei **var. n.** *lonicerarum* Finland p. 51, FREY Notul. ent. **26** 1946.

Phytomyza eumorpha (with **var. n.** *uniseta*), *subrostrata* p. 52, *aquilonia* p. 53, *polyarthrocera* p. 54 **spp. n.** Finland, FREY t.c.—*P. linguae* **sp. n.** Sweden p. 75 fig., LUNDQVIST Opusc. ent. Lund **12**.—*P. pulcherrima* **sp. n.** Sweden p. 113, RYDÉN Opusc. ent. Lund **12**.

Xenophytomyza **subgen. n.** (type *atronitens* Hend.) see *Cerodonta*.

BORBORIDAE (SPHAEROCERIDAE).

Ceroptera Macq. (= *Pseudosphaerocera* Strobl, *Trichocypsela* Villen.) p. 21, key to spp. p. 3; *setigera* **sp. n.** Belg. Congo p. 6 figs., VANSCHUYTBROECK Bull. Mus. H.n. Belg. **21** 1945 no. 21.

Pseudosphaerocera see *Ceroptera*.

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Trichocypsela see *Ceroptera*.

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Pachylops Fieb. proposal that *bicolor* D. & S. be designated type p. 285, CHINA t.c.

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ISOMETOPIDAE.

Characters of Isometopidae, HESSE J. ent. Soc. sthn Afr. **10** p. 33.

Aristotelesia **gen. n.** p. 255, *carioca* **sp. n.** Brazil p. 257 figs., CARVALHO Rev. brasil. Biol. **7.**

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SALDIDAE (ACANTHIIDAE).

Pentacora sonneveldti **sp. n.** Celebes p. 547 fig., BLÖTE Tijdschr. Ent. **88.**

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Saldula sonneveldti **sp. n.** Celebes p. 548 fig., BLÖTE Tijdschr. Ent. **88.**

CRYPTOSTEMMATIDAE (CERATOCOMBIDAE).

Biturunannus **gen. n.** p. 26, *reuteri* **sp. n.** Brazil p. 27 figs., WYGODZINSKY Bol. Ent. venezolana **6.**

Ceratocombus lusaticus **sp. n.** Germany p. 62 figs., JORDAN Arb. morph. taxon. Ent. Berl. **10** 1943.

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HYDROMETRIDAE.

Hydrometra gracilenta macropterous form p. 159, WAGNER Bombus, Hamburg no. 36.

VELIIDAE.

Macrovelia **subgen. n.** (type *major* Puton) see *Velia.*

Microvelia danica **sp. n.** Denmark p. 157 figs., LINDBERG Notul. ent. **23** 1943.

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GERRIDAE.

Aquarius Schell. proposal that *najas* De G. be designated type p. 277, CHINA Bull. zool. Nomencl. **1.**

Eurymetra africana **sp. n.** Ivory Coast p. 11 fig., POISSON Bull. Soc. ent. Fr. **52.**

Gerris lacustris **ab. n.** *fulviventris* Italy p. 15, TAMANINI Boll. Soc. ent. ital. **76** 1946.—*G. sphagnetorum* **sp. n.** Sweden p. 34 figs., GAUNITZ Opusc. ent. Lund **12.**

NAUCORIDAE.

Cryphocricos revision of American spp. pp. 329–343, key p. 334; *mexicanus* p. 335, *hungerfordi* p. 337 Mexico, *obscuratus* Panama p. 338, *latus* Costa Rica p. 340 **spp. n.** figs., USINGER Ann. ent. Soc. Amer. **40.**

NEPIDAE.

Nepella **gen. n.**, *pauliani* **sp. n.** Ivory Coast p. 9 figs., POISSON Bull. Soc. ent. Fr. **52.**

NOTONECTIDAE.

Anisops persica **sp. n.** Persia p. 17 figs., LINDBERG Notul. ent. **21** 1941.

Notonecta key to New England spp. p. 604; (*Paranecta*) *petrunkevitchi* **sp. n.** U.S.A. p. 599 figs., HUTCHINSON Trans. Conn. Acad. Arts Sci. **36** 1945.

HELOTREPHIDAE.

Helotrephes formosanus **sp. n.** Formosa p. 485 figs., ESAKI & MIYAMOTO Trans. n.H. Soc. Taiwan **33** 1943.

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Corixa Geoffr. ruling required on status of Geoffroy's work and the genotype p. 258, HUNGERFORD Bull. zool. Nomencl. **1**; p. 259, HEMMING.— *C. panzeri* early stages p. 53 figs., SUTTON Proc. Linn. Soc. Lond. **158**.— *C. miyakei* see *Xenocorixa*.

Cymatia key to spp. p. 155; *nigra* **sp. n.** Prince of Wales I., Australia p. 154 figs., HUNGERFORD J. Kans. ent. Soc. **20**.

Micronecta macrothoracica **sp. n.** Germany p. 237; *perplexa* characters p. 240 figs., JORDAN Arb. morph. taxon. Ent. Berl. **10** 1943.

Xenocorixa **gen. n.** for *Corixa miyakei* Mats. p. 93, HUNGERFORD J. Kans. ent. Soc. **20**.

Homoptera.

Homoptera (Fulgoridae, Tettigometridae, Cercopidae) of Netherlands, BLÖTE Fn. Nederl. Afl. 13 (Q xxi) 1943 79 pp. 29 figs.

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CICADIDAE.

Adeniana leouffrei p. 24, *decolorata* p. 25 **spp. n.** S. Oran figs., KORSAKOFF Bull. Soc. ent. Fr. **52**.

Cicada type *orni* L. not *plebeia* Scop. p. 191, FENNAH Ann. Mag. n.H. (11) **13**.

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FULGORIDAE.

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Aburia coleoptrata **varr. n.** *pellucida*, *viridis* S. America p. 44, METCALF Gen. Cat. Hem. fasc. IV pt. 9.

Acraephia perspicillata **varr. n.** *flavescens* Brazil, *opaca* Bolivia p. 49; *turca* **varr. n.** *fuscotestacea*, *nigromaculata* Brazil p. 51, METCALF t.c.

Amycle pinyonae p. 397, *tumacacoriae* p. 398 **spp. n.** U.S.A. figs., KNULL D. J. & J. N. Ann. ent. Soc. Amer. **40**.

Aphaena submaculata **var. n.** *fulva* Assam p. 141, METCALF Gen. Cat. Hem. fasc. IV pt. 9.

Aphaenina **n. n.** for *Aphana* Stål nec *Aphaena* Guér. p. 150, METCALF t.c.

Aracynthus sanguineus **var. n.** *ferrugineus* Brazil p. 94, METCALF t.c.

Electryone aeruginosa **sp. n.** Manchuria p. 22, JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.

Eurystheus see *Rentinus*.

Fulgora see *Laternaria*.

Helria see *Levia*.

Laternaria oculata **var. n.** *nigritarsis* Penang p. 202; *watanabei* var. *formosana* **n. n.** for *w. apicalis* Kato (from *Fulgora*) nec Westw. p. 208, METCALF Gen. Cat. Hem. fasc. IV pt. 9.

Levia **n. n.** for *Helvia* Mel. nec Stål p. 22, METCALF t.c.

Myrilla obscura **var. n.** *distanti* New Guinea p. 84, METCALF t.c.

Omalocephala cincta **var. n.** *fulva* W. Africa p. 162, METCALF t.c.

Penthicodes pulchella **var. n.** *fusca* India p. 131, METCALF t.c.

Phrictus diademi **var. n.** *walkeri* Centr. & S. America p. 240, METCALF t.c.

Poblicia pallidoconspersa **varr. n.** *apicalis, concolor* Mexico p. 64, METCALF t.c.

Rentinus **n. n.** for *Eurystheus* Stål nec Bate p. 109, METCALF t.c.

Zanna westwoodi **n. n.** for *marginata* Westw. nec F. p. 258, METCALF t.c.

EURYBRACHIDAE.

Frutis emarginata **sp. n.** Fukien p. 11 fig., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Loxocephala perpunctata **sp. n.** Fukien p. 11, JACOBI t.c.

Thessitus cremeri **sp. n.** Fukien p. 10, JACOBI t.c.

DICTYOPHARIDAE.

Neotropical Dictyopharidae, FENNAH Smithson. misc. Coll. **107** no. 11 pp. 1–11.

Chondrodera see *Taracticus*.

Dichoptera ferruginea see *Hydriena*.

Dictyophara flavocostata **sp. n.** Manchuria p. 23, JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.—*D. obtusifrons* see *Megadictya*; *tumidifrons* see *Lappida*; *sulcirostris, filifera* see *Paramisia*; *telifera* see *Neomiasa*.

Hyalodictyon teapanum Mexico p. 6, *bugabae* Panama, *centrali-americanum* Guatemala p. 8 **spp. n.** figs., FENNAH Smithson. misc. Coll. **107** no. 11.

Hydriena ferruginea Wlk. (=*distanti* Mel.) from *Dichoptera* p. 2 figs., FENNAH t.c.

Lappida tumidifrons Wlk. from *Dictyophara* p. 3, FENNAH t.c.

Megadictya obtusifrons Wlk. (=*multispinosa* Mel.) from *Dictyophara* p. 2 figs., FENNAH t.c.

Neomiasa **gen. n.** for *Dictyophara telifera* Wlk. p. 5 figs., FENNAH t.c.

Paramisia rufistigma Wlk. (=*Dictyophara sulcirostris* Berg); *filifera* Wlk. from *Dictyophara* p. 4 figs., FENNAH t.c.

Piela **gen. n.** p. 72, *singularis* **sp. n.** China p. 73, LALLEMAND Notes Ent. chinoise **9** 1942.

Pteroplegma jacobiana **n. n.** for *multireticulata* Jac. nec Muls. & Rey p. 49, MÜLLER Zoologica, Stuttgart **39** 1940 [not seen].

Taosa inexacta Wlk. (= *paraherbida* Muir), not a synonym of *herbida* Wlk.; *scriptiventris* Wlk. (= *pseudoscriptiventris* Muir); *vitrata* F. not a synonym of *Cladodiptera viridifrons* Wlk. p. 9; *muliebris* Wlk. not a synonym of *suturalis* Germ. p. 10 figs., FENNAH Smithson. misc. Coll. **107** no. 11.

Taracticus Berg (= *Chondrodera* Mel.) *chilensis* Spin. (= *C. chilensis* Mel.) p. 10, FENNAH t.c.

KINNARIDAE.

Microissus **gen. n.** p. 92, *psychoda* **sp. n.** Haiti p. 94 figs., FENNAH Proc. biol. Soc. Wash. **60**.

Paraprosoptropis **gen. n.** p. 17, *monensis* **sp. n.** Mona I. p. 18 figs., RAMOS J. Agric. Univ. Puerto Rico **30** 1946.

CIXIIDAE.

Betacixius transversus p. 14, *pallidior, robustus* p. 15 **spp. n.** Fukien fig., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Cixius diastus **sp. n.** Mexico p. 76, CALDWELL Ohio J. Sci. **47**.—*C. vilis* see *Oliarus*.

Mnemosyne (?) *sinica* **sp. n.** Fukien p. 12 fig., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Oliarus insetosus **sp. n.** Fukien p. 13 fig., JACOBI t.c.—*O. eximus* p. 145 (with **subsp. n.** *teximus*), *forcipatus* p. 146, *catus* p. 147, *retentus, rarus* p. 148, *bispinus* p. 150, *uncatus, sylvaticus* p. 151 U.S.A., *abacus* p. 147, *isolatus, nanus* p. 149, *aztecus* p. 150 Mexico **spp. n.**, CALDWELL Pan-Pacif. Ent. **23**.—*O. acicus, ecologus, zygus* **spp. n.** U.S.A. p. 76, CALDWELL Ohio J. Sci. **47**.—*O. vilis* Wlk. from *Cixius* p. 12, FENNAH Smithson. misc. Coll. **107** no. 11.

Pintalia constellaris Wlk. (= *quadrimaculata* Fenn.) p. 12, FENNAH t.c.

DELPHACIDAE.

Delphacodes fallax p. 58, *shermani* p. 59 further descriptions; *canina, caerulata* p. 60, *peneparvula* p. 61, *perusta, nigriscutellata* p. 62, *atridorsum* p. 63, *sagittata* p. 64, *idonea* p. 66, *angulata* p. 68, *pediforma* p. 70 **spp. n.** U.S.A. figs., BEAMER J. Kans. ent. Soc. **20**.

Kelisia crocea see *Prokelisia.*

Lepticus oculatus see *Pentagramma bivittata.*

Liburnia albostriata head p. 149 figs., LINDBERG Notul. ent. **23** 1943.

Megamelus piceus see *Pissonotus.*

Pentagramma key to American spp. pp. 30–39 ; *longistylata* p. 32, *douglasenis* p. 36, *variegata* p. 37 U.S.A., *cosquina* Argentina p. 35 **spp. n.** ; *bivittata* Crwf. (= *Lepticus oculatus* Crwf.) p. 32 ; *vittatifrons* Uhl. (= *minore* Crwf.) p. 33 figs., PENNER J. Kans. ent. Soc. **20.**

Pissonotus delicatus Van D. (=*pallipes* Van D.) p. 217 ; *marginatus* Van D. (= *basalis* Van D.) p. 218 ; *piceus* Van D. from *Megamelus* p. 220, OMAN Iowa St. Coll. J. Sci. **21.**

Prokelisia crocea Van D. from *Kelisia* p. 220, OMAN t.c.

Stiroma affinis head p. 145 figs., LINDBERG Notul. ent. **23** 1943.

ACHILIXIIDAE.

Synopsis of Achilixiidae of the New World, FENNAH Ann. Mag. n.H. (11) **13** pp. 183–191, 5 figs.

Bebaiotes dorsivittata Ecuador p. 188, *nivosa* Br. Guiana p. 190 **spp. n.** figs., FENNAH t.c.—*B. nigrigaster* see *Muirilixius.*

Muirilixius guianesus **sp. n.** Br. Guiana p. 186 ; *nigrigaster* Muir from *Bebaiotes* p. 188 figs., FENNAH t.c.

LOPHOPIDAE.

Bisma elasmoscelis **sp. n.** Fukien p. 17, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Pitambara tonkinensis **sp. n.** Tonkin p. 74, LALLEMAND Notes Ent. chinoise **9** 1942.

Silvanana **gen. n.** p. 238, *omani* **sp. n.** Brazil p. 240 figs., METCALF Proc. ent. Soc. Wash. **49.**

ACHILIDAE.

Pseudhelicoptera protubera **sp. n.** U.S.A. p. 78, CALDWELL Ohio J. Sci. **47.**

Rhotala dimidiata **sp. n.** Fukien p. 18, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

TROPIDUCHIDAE.

Neommatissus congruus Wlk. (=*spurcus* Muir) p. 11 fig., FENNAH Smithson. misc. Coll. **107** no. 11.

Olontheus **gen. n.**, *obscurus* **sp. n.** Fukien p. 17 fig., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Roesma see *Rotunosa.*

Rotunosa Dist. (= *Roesma* Fenn.) p. 11, FENNAH Smithson. misc. Coll. **107** no. 11.

Tauropola **gen. n.**, *bimaculata* **sp. n.** Fukien p. 16, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

ISSIDAE.

Clipeopsilus **gen. n.**, *belostoma* **sp. n.** Fukien p. 20 figs., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Hemisphaerius lygeus ♂♀ Tonkin p. 76, LALLEMAND Notes Ent. chinoise **9** 1942.

Nacmusius **gen. n.**, *chelydinus* **sp. n.** Fukien p. 19 fig., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Oronoqna **gen. n.**, *deina* **sp. n.** Br. Guiana p. 91 figs., FENNAH Proc. biol. Soc. Wash. **60.**

Prosonoma viridis **sp. n.** Tonkin p. 77, LALLEMAND Notes Ent. chinoise **9** 1942.

Sarima nigrifacies **sp. n.** Fukien p. 21, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Tetrica aequa **sp. n.** Fukien p. 21, JACOBI t.c.

RICANIIDAE.

Decoomana **gen. n.** p. 74, *hoana* **sp. n.** Tonkin p. 75, LALLEMAND Notes Ent. chinoise **9** 1942.

Gaetulia obtusa, *vulgaris* **spp. n.** U.S.A. p. 77, CALDWELL Ohio J. Sci. **47.**

Ricania zigzac **sp. n.** Fukien p. 22, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Ricanoides **gen. n.** p. 538, *flabellum* **sp. n.** Indo-China, Burma, Assam p. 539 fig., ZIA Sinensia **6** 1935.

ACANALONIIDAE.

Acanalonia tehuacana, *humeralis* p. 164, *albacosta*, *tripartita* p. 165 **spp. n.** Mexico, CALDWELL Bull. Brooklyn ent. Soc. **41.**

FLATIDAE.

Acanthoflata **gen. n.** for *Rhynchopteryx salina* Doz. p. 114 fig., FENNAH Proc. biol. Soc. Wash. **60.**

Alcaxor **gen. n.** p. 110, *pallidus* **sp. n.** Dominica p. 111 fig., FENNAH t.c.

Anthoflata **gen. n.** for *Ormenis fortunata* Fenn. (type) p. 109; *ingae* **sp. n.** Grenada p. 110 fig., FENNAH t.c.

Antillormenis martinicensis **sp. n.** Martinique p. 111 fig., FENNAH t.c.

Atracis obscure **sp. n.** Tonkin p. 534 fig., ZIA Sinensia **6** 1935.

Capistra **gen. n.**, *montana* **sp. n.** St. Kitts p. 115 fig., FENNAH Proc. biol. Soc. Wash. **60.**

Euhyloptera antillana **sp. n.** p. 112 (with **subspp. n.** *grenadana*, *dentata* p. 113) Grenada figs., FENNAH t.c.

Flatiris **gen. n.** for *Ormenis plumbea* Fenn. (type), *silvestris* Fenn. p. 108 fig., FENNAH t.c.

Flatoidinus pseudopunctatus **sp. n.** Mona I. p. 19 figs., RAMOS J. Agric. Univ. Puerto Rico **30** 1946.

Ilesia falcata **sp. n.** Antigua p. 112 fig., FENNAH Proc. biol. Soc. Wash. **60.**

Meulona **gen. n.**, *parva* **sp. n.** Indo-China p. 530 fig., ZIA Sinensia **6** 1935.

Ormenina **gen. n.** for *Poeciloptera paupera* Wlk. (type), *coffeacola* Doz. p. 114 fig., FENNAH Proc. biol. Soc. Wash. **60.**

Ormenis fortunata see *Anthoflata*; *plumbea*, *silvestris* see *Flatiris*; *brevis* (*jamaicensis*) see *Psenoflata*.

Poeciloptera paupera, *coffeacola* see *Ormenina*; *perpusilla* see *Riculiflata*.

Psenoflata **gen. n.** for *Ormenis brevis* Van D. (raised to sp.) p. 107 (= *jamaicensis* Fenn. p. 108) fig., FENNAH Proc. biol. Soc. Wash. **60.**

Rhynchopteryx salina see *Acanthoflata*.

Riculiflata **gen. n.** for *Poeciloptera perpusilla* Wlk. p. 108 fig., FENNAH Proc. biol. Soc. Wash. **60.**

Zecheuna **gen. n.** p. 532, *tonkinensis* **sp. n.** Indo-China p. 533 fig., ZIA Sinensia **6** 1935.

CERCOPIDAE.

Aphrophora mandschurica p. 23, *consobrina* p. 25 **spp. n.** Manchuria figs., JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.—*A. ambigua* p. 27, *bipartita* p. 28, *impressa*, *naevia* p. 29 **spp. n.** Fukien figs., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Aphropsis nigrina **sp. n.** Fukien p. 26, JACOBI t.c.

Cercopis laeta **sp. n.** Manchuria p. 26, JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.

Clovia diffusipennis **sp. n.** Fukien p. 25, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Hindola robusta **sp. n.** Fukien p. 24, JACOBI t.c.

Hindoloides sparsuta **sp. n.** Fukien p. 24, JACOBI t.c.

Neuromachaerota becquarti **sp. n.** Kiangsu p. 5 fig., GAINES Notes Ent. chinoise **9** 1942.

Peuceptyelus lacteisparsus **sp. n.** Fukien p. 26, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Philagra lata, *coomani* **spp. n.** Tonkin p. 71, LALLEMAND Notes Ent. chinoise **9** 1942.

Poophilus extraneus **sp. n.** Manchuria p. 23, JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.

Ptyelus colonus **sp. n.** Manchuria p. 25 fig., JACOBI t.c.

MEMBRACIDAE.

Revision of Colombian Membracidae, RICHTER Rev. Acad. colomb. **7** pp. 382–403, 2 col. pls. 49 figs.

Cyrta blattina **sp. n.** Fukien p. 35, JACOBI Mitt. münchn ent. Ges. **34** 1944.

Gargara alini p. 144, *albopleura* p. 145 **spp. n.** Manchuria figs., FUNKHOUSER Arb. morph. taxon. Ent. Berl. **7** 1940.—*G. basiplagiata* p. 33, *brunneosula* p. 34 **spp. n.** Fukien figs., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Leptobelus sauteri Schum. (= *decurvatus* Funkh.) p. 30, JACOBI t.c.

Maurya nodosa **sp. n.** Manchuria p. 145 fig., FUNKHOUSER Arb. morph. taxon. Ent. Berl. **7** 1940.

Membracis flava p. 390, *tococaae* p. 393, *paullula*, *robiginosa* p. 398, *formosa* p. 399, *caquctaensis* p. 400, *orteguazaensis*, *schultesii* p. 401, *micaniaae* p. 402 **spp. n.** Colombia figs., RICHTER Rev. Acad. colomb. **7.**

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Acinopterus angulatus characters p. 213 figs., DELONG & SEVERIN Hilgardia **17**.

Aethiopulopa **gen. n.** p. 141, *bambiensis* **sp. n.** Senegal p. 143 fig., EVANS Ann. Mag. n.H. (11) **14**.

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Agallia sinica **sp. n.** Fukien p. 47, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

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Anchura see *Anchuralia*.

Anchuralia **n. n.** for *Anchura* Mel. preocc. p. 159, EVANS Trans. R. ent. Soc. Lond. **98**.

Apogonalia **n. n.** for *Apogonia* Mel. preocc. p. 159, EVANS t.c.

Apogonia see *Apogonalia*.

Arboridia **subgen. n.** (type *parvula* Boh.) see *Zyginidia*.

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Catagonalia **n. n.** for *Catagonia* Mel. preocc. p. 160, EVANS t.c.

Catagonia see *Catagonalia*.

Cephalelus Perch. (=*Anacephaleus* Ev., *Procephaleus* Ev.); *turneri*, *capensis* p. 145, *bicoloratus*, *angustatus* p. 146 **spp. n.** S. Africa figs., EVANS Ann. Mag. n.H. (11) **14**.

Cephalogonalia **n. n.** for *Cephalogonia* Mel. preocc. p. 160, EVANS Trans. R. ent. Soc. Lond. **98**.

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Chudania exposita **sp. n.** Fukien p. 53, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Chunroides **gen. n.**, *wallabensis* **sp. n.** Br. Guiana p. 254 fig., EVANS Trans. R. ent. Soc. Lond. **98.**

Cicadella carthamosula Sumatra, *pallidipes*, *crocatula*, *jordansi* p. 43, *nigrominiatula*, *contrariuscula* p. 44, *aurantiifasciata* p. 45 Fukien **spp. n.** fig., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Cicadulina zeae China reduced to subsp. of *bipunctella* Mats. p. 157 figs., ZAKHVATKIN Trans. R. ent. Soc. Lond. **96** 1946.

Circulifer chinai (with **subsp. n.** *caspius* Astrakhan) p. 160, *arabicus*, *jenjouriste* p. 161 **spp. n.** Yemen figs., ZAKHVATKIN t.c.

Crassana **gen. n.** for *Eutettix goniana* Ball (type) p. 76 ; (*Macrasana* **subgen. n.**) *marginella* **sp. n.** Mexico p. 78 figs., DELONG & HERSHBERGER Pan-Pacif. Ent. **23.**

Cunedda abbreviata p. 51, *gracilis* p. 52 **spp. n.** Fukien, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Curta see *Dikraneura* (*Notus*).

Daimachus steeli **sp. n.** E. Sudan p. 141 fig., EVANS Ann. Mag. n.H. (11) **14.**

Deltocephalus lindneri **sp. n.** Anatolia p. 581 fig., FAHRINGER Mitt. münchn. ent. Ges. **32** 1942.—*D. hofferi* **sp. n.** Bohemia p. 19 figs., DLABOLA Ent. Tidskr. **68.**—*D. turbineus* see *Lonatura salsura.*

Dikraneura subgen. *Notus* Fieb. (=*Curta* DeL. & Cald.) p. 62, OMAN J. N.Y. ent. Soc. **55.**

Drabescus productus **sp. n.** Malaya p. 256 figs., EVANS Trans. R. ent. Soc. Lond. **98.**

Dussana sinensis **sp. n.** Fukien p. 51, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

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Empoasca minor Zakh. a sp. not var. of *decipiens* p. 151, ZAKHVATKIN Trans. R. ent. Soc. Lond. **96** 1946.—*E.* (*Kybos*) *kiritshenkoi* **sp. n.** p. 106 ; (*E.*) *decipiens* **subsp. n.** *meridiana* p. 108 N.W. Persia figs., ZAKHVATKIN Rev. Ent. URSS **28.**—*E. denticula* Gill. not a synonym of *maligna* Walsh p. 61, OMAN J. N.Y. ent. Soc. **55.**—*E. flavescens* early stages pp. 4–7, key to nymphal instars p. 7, ♂ ♀ pp. 8–12 figs., CENDAÑA & BALTAZAR Philipp. Agric. **31.**

Eovulturnops **gen. n.**, *selenocephaloides* **sp. n.** Br. Guiana p. 255 figs., EVANS Trans. R. ent. Soc. Lond. **98.**

Erythroneura italica **sp. n.** Italy p. 16 figs., RIBAUT Mem. Soc. ent. ital. **26.**

Euacanthus nigrescens, *rubroniger* **spp. n.** China p. 27 (note), JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.

Eugonalia **n. n.** for *Eugonia* Mel. preocc. p. 161, EVANS Trans. R. ent. Soc. Lond. **98.**

Eugonia see *Eugonalia.*

Euprora see *Stenotartessus.*

Eupteryx pavlovskii **sp. n.** N.W. Persia p. 109 figs., ZAKHVATKIN Rev. Ent. URSS **28.**

Euscelis pictifacies **sp. n.** Manchuria p. 29, JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.—*E.* group *plebejus* seasonal dimorphism p. 173, MÜLLER Bombus, Hamburg no. 40.—*E. schenkii* Kirschb. (=*maculipennis* DeL. & Dav.) p. 69, OMAN J. N.Y. ent. Soc. **55.**

Eutettix goniana see *Crassana.*

Exitianus picatus Gibs. not a synonym of *obscurinervis* Stål p. 60, OMAN J. N.Y. ent. Soc. **55.**—*E.* of N. America incl. Mexico pp. 107–116, key p. 108 ; *excavatus*, *abruptus* p. 110, *angulatus* p. 113, *brevis* p. 114, *tricolor*, *nigrens* p. 115 **spp. n.** ; *exitiosus* (a valid sp. p. 107) **varr. n.** *angustatus*, *pallidens* p. 113 Mexico figs., DELONG & HERSHBERGER Ohio J. Sci. **47.**—*E. kinoanus* see *Ollarianus.*

Frequenamia **gen. n.**, *guerrera* **sp. n.** Mexico p. 63 figs., DELONG Bull. Brooklyn ent. Soc. (N.S.) **42.**

Fruticidia **subgen. n.** (type *bisignata* M. & R.) see *Zyginidia.*

Gunghuyana ugandae **sp. n.** Uganda p. 257 figs., EVANS Trans. R. ent. Soc. Lond. **98.**

Gyponana hasta characters p. 157 figs., DELONG & SEVERIN Hilgardia **17** 1946.

Hecalus ellipticus **sp. n.** Fukien p. 53, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Heliona biplagiata see *Helionidia.*

Helionidia **gen. n.** for *Heliona biplagiata* Haupt (type) p. 152, *Zygina jaxartensis* Osh., *Z. tamaricus* Puton, *Chlorita fasciolata* Fieb., *C. biskrensis* Leth.; (*Tamaricella* **subgen. n.**); (*H.*) *statices* N. Caspian Deserts p. 153, (*H.*) *himyarita* Yemen p. 155 **spp. n.** figs., ZAKHVATKIN Trans. R. ent. Soc. Lond. **96** 1946.—*H.* (*Tamaricella*) *ribauti* **sp. n.** Iran pp. 75, 82 figs., ZAKHVATKIN Rev. Ent. URSS **29.**

Horvathiella see *Agrica.*

Idiocerus telus, incomptus p. 45, *apertus, varius* p. 46, *hebetus* p. 48 **spp. n.**; *apache* **var. n.** *juniperus* p. 46 U.S.A. figs., DELONG & HERSHBERGER Ohio J. Sci. **47.**

Jassus multifasciatus, patricius p. 49, *ochraceus, circumcinctus* p. 50 **spp. n.** Fukien, JACOBI Mitt. münchn. ent. Ges. **34** 1944.—*J. leveri* Solomon Is., *brunomaculatus* Kenya, *compactus* S. Africa, **spp. n.** p. 257 figs., EVANS Trans. R. ent. Soc. Lond. **98.**

Kolla mandschurica p. 27, *albescens* p. 28 **spp. n.** Manchuria, JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.

Kosmiopelex rieki **sp. n.** Queensland p. 253 fig., EVANS Trans. R. ent. Soc. Lond. **98.**

Kutara grisescens **sp. n.** Sarawak p. 256 figs., EVANS t.c.

Kyphocotis brunneus **sp. n.** New South Wales p. 252 fig., EVANS t.c.

Laevicephalus acus S. & DeL. (= *rotundens* DeL. & Dav.); *helvinus* Van D. (=*flabellum* DeL.); *lenis* Van D. (=*wilsoni* Oman) p. 59; *auratus* Gill. & Bak. (=*expectus* DeL., *subrutilus* DeL. & Sl.) p. 60; *cicatrix* DeL. & Sl., *evansi* Ashm. from *Psammotettix* p. 61, OMAN J. N.Y. ent. Soc. **55.**

Ledra sternalis p. 36, *depravata* p. 37, *imitatrix* p. 38 **spp. n.** Fukien figs., JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Ledracephala **gen. n.** for *Petalocephala brevifrons* Wlk. p. 252, EVANS Trans. R. ent. Soc. Lond. **98.**

Lonatura salsura Ball (=*Deltocephalus turbineus* DeL. & Dav.) p. 60, OMAN J. N.Y. ent. Soc. **55.**

Macrasana **subgen. n.** (type *marginella* sp. n.) see *Crassana.*

Macroceps see *Bergevina.*

Mesamia orizaba ♂ p. 257; *bifurcata* p. 258, *alta* p. 260, *montana, divisa* p. 262, *frigida* p. 265, *separata* p. 263 U.S.A. (with **var. n.** *quadripuncta*), *puebla* p. 264, *interrupta* p. 263 Mexico **spp. n.** figs., DELONG & HERSHBERGER Ann. ent. Soc. Amer. **40.**

Moonia naevia **sp. n.** Fukien p. 41, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Myerslopia **gen. n.** p. 143, *magna* (type), *parva* **spp. n.** New Zealand p. 144 figs., EVANS Ann. Mag. n.H. (11) **14.**

Nisitra breviceps **sp. n.** Fukien p. 51, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Notocephalius Jac. (=*Paracephaleus* Ev.) p. 145; *pallidus* **sp. n.** Australia p. 146 figs., EVANS Ann. Mag. n.H. (11) **14.**

Ollarianus kinoanus Ball from *Exitianus* p. 60, OMAN J. N.Y. ent. Soc. **55.**

Oxygonalia **n. n.** for *Oxygonia* Mel. preocc. p. 163, EVANS Trans. R. ent. Soc. Lond. **98.**

Oxygonia see *Oxygonalia.*

Paracephaleus see *Notocephalius.*

Paradorydium angolensis **sp. n.** Angola p. 253 fig., EVANS Trans. R. ent. Soc. Lond. **98.**

Paragonalia **n. n.** for *Paragonia* Mel. preocc. p. 163, EVANS t.c.

Paragonia see *Paragonalia.*

Penthimia nigerrima, castanaica **spp. n.** Fukien p. 48, JACOBI Mitt. münchn. ent. Ges. **34** 1944.—*P. maculata* **sp. n.** Sierra Leone p. 256 fig., EVANS Trans. R. ent. Soc. Lond. **98.**

Petalocephala brevifrons see *Ledracephala.*

Phera unipunctata **sp. n.** Colombia p. 253 figs., EVANS Trans. R. ent. Soc. Lond. **98.**

Phlepsius personatus Baker (=*cinerosus* Osb. & Lath.) p. 59, OMAN J. N.Y. ent. Soc. **55.**

Platytetticis **n. n.** for *Platytettix* Mats. nec Hancock p. 393, STRAND Folia zool. hydrobiol. **11** 1942.

Platytettix see *Platytetticis.*

Polana draba **sp. n.** Br. Guiana p. 256 figs., EVANS Trans. R. ent. Soc. Lond. **98.**

Postumus hyalinus **sp. n.** Zululand p. 253 figs., EVANS t.c.

Procephaleus see *Cephalelus.*

Psammotettix revised list of Nearctic spp. p. 61, OMAN J. N.Y. ent. Soc. **55**.—*P. cicatrix, evansi* see *Laevicephalus*.

Ribautiana **gen. n.** for *Typhlocyba tenerrima* H.-S. (with **subsp. n.** *disjuncta* N.W. Persia) p. 113 fig., ZAKHVATKIN Rev. Ent. URSS **28**.

Sabimoides **gen. n.**, *cardamomi* **sp. n.** Malaya p. 254 fig., EVANS Trans. R. ent. Soc. Lond. **98**.

Scaphoideus mirus see *Spathanus acuminatus*.

Selenocephalus nuchalis **sp. n.** Manchuria p. 30, JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.

Spathanus acuminatus Bak. (=*Scaphoideus mirus* Van D.) p. 61, OMAN J. N.Y. ent. Soc. **55**.

Stenotartessus **n. n.** for *Euprora* Evans nec Busck p. 207, EVANS Trans. R. ent. Soc. Lond. **98**.

Tamaricella **subgen. n.** (type *jaxartensis* Osh.) see *Helionidia*.

Taslopa montana Ev. (=*brachyptera* Ev.) p. 144, EVANS Ann. Mag. n.H. (11) **14**.

Thaumatopoides **gen. n.**, *caffra* **sp. n.** S.W. Africa p. 255 figs., EVANS Trans. R. ent. Soc. Lond. **98**.

Thlasia borealis **sp. n.** Manchuria p. 26 fig., JACOBI Arb. morph. taxon. Ent. Berl. **10** 1943.—*T. symmetrica, funebris, cingulata* **spp. n.** Fukien p. 40, JACOBI Mitt. münchn. ent. Ges. **34** 1944.

Tituria colorata, costalis **spp. n.** Fukien p. 39, JACOBI t.c.

Typhlocyba tenerrima see *Ribautiana*.

Usanus **gen. n.**, *stonei* **sp. n.** Mexico p. 110 figs., DELONG Pan-Pacif. Ent. **23**.

Zygina jaxartensis, tamaricus see *Helionidia*.

Zyginidia key to subgenn. pp. 78, 82; (*Fruticidia* pp. 78, 83, *Asianidia Arboridia* pp. 79, 83 **subgenn. n.**); (*Z.*) *sohrab* **sp. n.** pp. 78, 82; (*F.*) *bisignata* **subsp. n.** *bactriana* pp. 81, 83 Iran figs., ZAKHVATKIN Rev. Ent. URSS **29**.

PSYLLIDAE (CHERMIDAE).

Some Psyllids from Amami-Osima and Yakusima, KUWAYAMA Trans. n.H. Soc. Taiwan **33** 1943 pp. 504–511, 3 figs.

Euphalerus certus **sp. n.** Costa Rica p. 142 figs., TUTHILL Pan-Pacif. Ent. **23**.

Phytolyma lata **var. n.** *fusca* Ivory Coast p. 165 figs., ALIBERT Agron. trop., Nogent-sur-Marne **2**.

Psylla bipartita p. 141, *multiplex* p. 142 **spp. n.** Costa Rica figs., TUTHILL Pan-Pacif. Ent. **23**.—*P. horii* **sp. n.** Amami-Osima pp. 507, 511 figs., KUWAYAMA Trans. n.H. Soc. Taiwan **33** 1943.

Trioza amami-osimensis Amami-Osima pp. 506, 510, *yakusimensis* Yakusima pp. 509, 511 **spp. n.** figs., KUWAYAMA t.c.

Triozoida media p. 31, *mutabilis* p. 32 Cuba, *inconstans* Panama p. 34, **spp. n.**, TUTHILL Pan-Pacif. Ent. **23**.

APHIDAE.

Key to and descriptions of the commoner potato Aphids of Germany, HEINZE & PROFFT Mitt. biol. Reichsanst. Berl. Heft **60** 1940 pp. 9–43, 12 figs.

Some Aphids of Borkum I., HILLE RIS LAMBERS Arb. physiol. angew. Ent. Berl. **11** 1944 pp. 152–156.

Contributions to a monograph of European Aphidae, III, HILLE RIS LAMBERS Temminckia **7** pp. 179–319, 7 pls. 2 figs.

Aphids of Fezzan, MIMEUR & BERNARD Bull. Soc. H.n. Afr. N. **37** pp. 43–44.

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Acyrthosiphon Mordv. (= *Macchiatiella* Del G.); *Liporrhinus* Börn. a subgen. p. 213; key to allied genn. p. 217, to subgenn. & spp. p. 220; *caraganae* **subsp. n.** *occidentale* W. Europe p. 225; *euphorbiae* **subsp. n.** *neerlandicum* Holland p. 231; *malvae* Mos. (=*Myzus erigeroniella* Theo.) p. 234; *m.* subsp. *geranii* Kalt. (=*Macrosiphum zerozalphum* Knowlt.) p. 241; *Lactucobium* **subgen. n.** pp. 214, 220, 255, HILLE RIS LAMBERS Temminckia **7**.—*A. euphorbiae* **sp. n.** C. Europe p. 4, BÖRNER N. Blattl. Mitteleur. 1940.—*A. rosaefoliae* see *Rhodobium*.

Anomalosiphum takahashii **sp. n.** W. China p. 149 fig., TAO Notes Ent. chinoise **11**.

Anthracosiphon **gen. n.** p. 195, *hertae* **sp. n.** Holland p. 196, HILLE RIS LAMBERS Temminckia **7**.

Aphis sambucina **sp. n.** C. Europe p. 2, Börner N. Blattl. Mitteleur. 1940.—*A. audax* **sp. n.** Holland p. 325, Hille Ris Lambers Zool. Meded. **28.**—*A. nerii* morphology p. 684, Mukerji & Behura J. Bombay n.H. Soc. **46.**—*A.* (*Doralis*) *armata* a subsp. of *fabae* p. 431 fig., Jacob Bull. ent. Res. **37.**—*A. sierra* **sp. n.** California p. 97 figs., Essig Pan-Pacif. Ent. **23.**—*A. cacaliasteris* **sp. n.** p. 325 (with **subsp. n.** *helvetica* p. 328) Switzerland figs., Hille Ris Lambers Mitt. schweiz. ent. Ges. **20.**—*A. juniperi* see *Cupressobium*; *frangulae* see *Doralina*; *artemisicola* see *Artemisaphis*; *ranunculina* see *Tubaphis*; *polaris* see *Tuberolachnus salignus.*

Appelia tragopogonis Kltb. (=*schwartzi* Börn., *prunifex* Theo.) p. 312, Hille Ris Lambers Zool. Meded. **28.**

Artemisaphis **gen. n.** for *Aphis artemisicola* Will. p. 27, Knowlton & Roberts J. Kans. ent. Soc. **20.**

Aulacorthum Mordv. (=*Neomacrosiphum* v. d. G., *Dysaulacorthum* Börn.) *Neomyzus* v. d. G. a subgen. p. 309, key to spp. p. 313; *palustre* p. 314, *rufum* p. 316 **spp. n.** Netherlands figs., Hille Ris Lambers Temminckia **7.**—*A. agrimoniae* **sp. n.** C. Europe p. 4, Börner N. Blattl. Mitteleur. 1940.

Betulaphis brevipilosa **sp. n.** C. Europe p. 2, Börner t.c.—*B. quadrituberculata* Kltb. (=*brevipilosa* Börn.) p. 330 (with **subsp. n.** *helvetica* Switzerland p. 331) figs., Hille Ris Lambers Mitt. schweiz. ent. Ges. **20.**

Brachycolus noxius characters p. 126 figs., Alfaro Bol. Pat. veg. Ent. agríc. Madrid **15.**

Brachyunguis carlinae, anthemidis, dudichi **spp. n.** C. Europe p. 4, Börner N. Blattl. Mitteleur. 1940.

Capitophorus vandergooti **sp. n.** Sweden, Holland p. 294 figs., Hille Ris Lambers Zool. Meded. **28.**

Cavariella key to European and N. American spp. p. 310; *archangelicae* Scop. (=*umbellatarum* Koch) p. 311, Hille Ris Lambers t.c.

Cerosipha subviridis, crepidis, acanthoidis, poterii, hieracii, hypochoeridis **spp. n.** C. Europe p. 4, Börner N. Blattl. Mitteleur. 1940.

Chaetophorella **gen. n.** for *Chaetophorus aceris* L. nec Koch (type); *fusca* **sp. n.** C. Europe p. 2, Börner t.c.—See *Periphyllus.*

Chaetophoria **gen. n.** for *Chaetophorus xanthomelas* Koch (type); *rhenana* **sp. n.** C. Europe p. 2, Börner N. Blattl. Mitteleur. 1940.—See *Periphyllus.*

Chaetophorus xanthomelas see *Chaetophoria*; *aceris* see *Chaetophorella.*

Chaetosiphella tshernavini **subsp. n.** *stipae* Switzerland p. 329 fig., Hille Ris Lambers Mitt. schweiz. ent. Ges. **20.**

Chaitophorinus see *Periphyllus.*

Cinara schimitscheki, brauni **spp. n.** C. Europe p. 1, Börner N. Blattl. Mitteleur. 1940.

Clethrobius comes redescription p. 332, Hille Ris Lambers Zool. Meded. **28.**

Coloradoa achilleae **sp. n.** C. Europe p. 4, Börner N. Blattl. Mitteleur. 1940.

Comaphis **gen. n.** for *Doralis corniella* Hille Ris Lambers p. 3, Börner t.c.

Cryptaphis **gen. n.** p. 296, *setiger* **sp. n.** Netherlands, England p. 298 figs., Hille Ris Lambers Temminckia **7.**

Cupressobium **gen. n.** for *Aphis juniperi* Deg. p. 1, Börner N. Blattl. Mitteleur. 1940.

Dactynotus minor **sp. n.** C. Europe p. 4, Börner t.c.

Dinolachnus **gen. n.** for *Lachniella cecconii* Guerc. p. 1, Börner t.c.

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Polyplax serrata **f. n.** *paxi* (on field-mouse) Germany [? page], EICHLER Tierärztl. Umschau **2** no. 9–10 [not seen].

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Antimenopon **gen. n.** for *Menopon forcipatum* Nitzsch p. 3 figs., EICHLER Ark. Zool. **39A** no. 2.

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Ardeicola rhaphidius Nitzsch (=*argentinus* Kell., *guaraunae* Eichl.) p. 104, HOPKINS t.c.

Argimenopon **gen. n.**, *polytrichum* **sp. n.** (type) (on *Argusianus argus*) Sumatra; *substitutum* Har. (with **subsp. n.** *sternosetosum* (on *Lophura rufa*) Sumatra p. 7), *phaeostomum* from *Menopon* p. 5 figs., EICHLER Ark. Zool. **39A** no. 2.

Auricotes caputilongus **sp. n.** (on *Ducula badia badia*) Sumatra p. 7 figs., EICHLER t.c.

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Carrikerella **gen. n.** for *Colpocephalum armiferum* Kellogg p. 127, EICHLER Stettin. ent. Ztg. **102** 1941.

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Docophorulus **gen. n.** for *Docophorus communis* var. *passeris* Piaget p. 80, EICHLER Stettin. ent. Ztg. **105** 1944.

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Echinophilopterus Ewing (= *Forficuloecus* Conci) p. 263, GUIMARÃES Papéis avulsos Dep. Zool. S. Paulo **8**.

Eidmanniella leucoxantha Nitzsch (= *lunarium* Rud.) from *Menopon* p. 181 figs., KÉLER Arb. morph. taxon. Ent. Berl. **9** 1942.

Eomenacanthus stramineus Nitzsch (= *biseriatus* Piag.) p. 126, EICHLER Stettin. ent. Ztg. **102** 1941.

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Ewingella **gen. n.** for *Trinoton femoratum* Piaget p. 126, EICHLER Stettin. ent. Ztg. **102** 1941.

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Galligogus **gen. n.** for *Colpocephalum appendiculatum* Ntz. p. 10 figs., EICHLER Ark. Zool. **39A** no. 2.

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Gliricola palladia **sp. n.** (on *Euryzygomatomys spinosus*) Brazil p. 189 figs., KÉLER Arb. morph. taxon. Ent. Berl. **10** 1943.

Goniocotes ignitus **sp. n.** (on *Lophura ignita*) p. 12 (with **subsp. n.** *rufus* (on *L. rufa*) p. 13) Sumatra, EICHLER Ark. Zool. **39A** no. 2.

Goniodes argus **sp. n.** (on *Argusianus argus*) Sumatra p. 13 figs., EICHLER t.c.—*G. processus* see *Kélerigoniodes*; *extraneus* see *Claygoniodes*; *neumannia* see *Pachyskelotes orthopleurus*; *wilsoni, hopkinsi, fimbriatus, numidae, perlatus* see *Archigoniodes*.

Gonocephalus chelicornis egg p. 176 fig., KÉLER Arb. morph. taxon. ent. Berl. **9** 1942.

Gonotyles longus **subsp. n.** *emarginatus* (on *Lophura rufa*) Sumatra p. 14 fig., EICHLER Ark. Zool. **39A** no. 2.

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Heleonomus harrisoni Bedf. host *Bugeranus carunculatus* p. 180, HOPKINS Ann. Mag. n.H. (11) **13**.

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Holomenopon **gen. n.** for *Menopon albofasciatum* Piaget p. 125, EICHLER Stettin. ent. Ztg. **102** 1941.—*H. cairinae* (on *Cairina moschata*), *clypeilargum* (on *Anas acuta*) p. 236, *concii* (on *Sarkidiornis melanota*) p. 237 **spp. n.** no localities figs., EICHLER Mitt. münchn. ent. Ges. **33** 1943.

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Kelloggia brevipes serrati host *Tinamus major olivascens* not *T. m. serratus* p. 262, GUIMARÃES Papéis avulsos Dep. Zool. S. Paulo **8**.

Laemobothrion opisthocomi see *Ornithopeplechthos*; *gracilentum* see *Pterophagus*; *pallescens* see *Plegadilymantikos*.

Lagopoecus gibsoni **sp. n.** (on *Centrocercus urophasianus*) Saskatchewan p. 172 figs., HOPKINS Ann. Mag. n.H. (11) **13**.

Liothella **gen. n.** for *Colpocephalum leptopygus* Nitzsch p. 15, EICHLER Ark. Zool. **39A** no. 2.

Liotheum marabu **sp. n.** (on *Leptoptilos javanicus*) Sumatra p. 15 fig., EICHLER t.c.

Macrogyropus amplexans Neum (= *Pediculus ratti* Larrañaga) p. 171, HOPKINS Ann. Mag. n.H. (11) **13**.

Menacanthus arctifasciatum characters discussed p. 261, GUIMARÃES Papéis avulsos Dep. Zool. S. Paulo **8**.—*M.* revision of New World spp. pp. 115–137; *cornutus* **sp. n.** Colombia p. 118 (on *Penelope argyrotis columbiana*) (with **subspp. n.** *chamaepetus* (on *Chamaepetes goudoti sanctaemarthae*) p. 118, *dazae* (on *P. purpurescens brunnescens*) Colombia, *anduzei* (on *Crax nigra*) Venezuela p. 120, *goudoti* (on *Chamaepetes goudoti rufiventris*) Peru p. 119); *fasciatus* **sp. n.** Bolivia p. 121 (on *P. montagnii sclateri*) (with **subspp. n.** *montagnii* (on *P. m. montagnii*) p. 121, *genitalis* (on *P. purpurascens brunnescens*), *albicaudus* (on *P. argyrotis albicauda*) p. 123, *cincinnatus* (on *Chamaepetes goudoti sanctae-marthae*) p. 124, *aburris* (on *Aburria aburri*) p. 125, *annulatus* (on *Crax annulatus*) p. 126, *pauxensis* (on *Pauxi pauxi gilliardi*) Colombia p. 127, *samaipatae* (on *Penelope obscura speciosa*) p. 122, *chaparensis* (on *P. obscura jacquáçu*) p. 122, *pipilensis* (on *Pipilo cumanensis grayi*) Bolivia p. 125, *latus* (on *Chamaepetes unicolor*) Costa Rica p. 124, *daubentoni* (on *Crax alberti daubentoni*) Venezuela p. 126); *mituensus* **sp. n.** (on *Mitu mitu*) Bolivia p. 127; *falcatus* **sp. n.** Venezuela p. 131 (on *Odontophorus g. gujanensis*) (with **subspp. n.** *valenciae* (on *Odontophorus columbianus*) p. 132, *colinus* (on *Colinus cristatus horvathi*) p. 135 Venezuela, *perijanus* on *Odontophorus atrifrons variegatus*) p. 132, *setosus* (on *Aburria aburri*) p. 135 Colombia, *boliviensis* (on *Odontophorus gujanensis simonsi*), *brevispinus* (on *O. balliviani*) Bolivia p. 133, *longispinus* (on *O. capueira capueira*) Brazil p. 134); *meridionale* **subspp. n.** *santanderianus* (on *O. gujanensis polionotus*) Colombia p. 129, *brasiliensis* (on *O. c. capueira*) Brazil p. 130 figs., CARRIKER Rev. Acad. colombiana **7** 1946.—*M.*

dicruri **sp. n.** (on *Dicrurus leucophaeus*) Sumatra p. 15 figs., EICHLER Ark. Zool. **39A** no. 2.—*M. picae* Piag. from *Menopon* and a synonym of *eurysternum* Burm. p. 101, HOPKINS Ann. Mag. n.H. (11) **14.**—*M. megaspinus* see *Carrikeria* (Jan.) & *Ctenomenacanthus* (July).

Menopon sp. egg p. 174 figs., KÉLER Arb. morph. taxon. Ent. Berl. **9** 1942.—*M. lunanale* **sp. n.** (on *Lophura ignita*) Sumatra p. 17 figs., EICHLER Ark. Zool. **39A** no. 2.—*M. cucullare* Gieb. nec Nitzsch discussed p. 102, HOPKINS Ann. Mag. n.H. (11) **14.**—*M. leucoxantha* see *Eidmanniella*; *albofasciatum* see *Holomenopon*; *picae* see *Menacanthus eurysternum*; *substitutum*, *phaeostomum* see *Argimenopon*; *forcipatum* see *Antimenopon*.

Meromenopon incisum Gieb. from *Allomenopon*, neotype designated p. 108, HOPKINS Ann. Mag. n.H. (11) **14.**

Microctenia guimaraesi major further description p. 197; *tibialis* **subsp. n.** *heterocephala* (on *Tinamus guttatus*) Brazil p. 200 figs., GUIMARÃES Papéis avulsos Dep. Zool. S. Paulo **8.**

Mjöberginirmus **gen. n.** for *Nirmus obliquus* Mjöberg p. 81, EICHLER Stettin. ent. Ztg. **105** 1944.

Myrsidea pycnonoti **sp. n.** (on *Pycnonotus analis*) Sumatra p. 18 figs., EICHLER Ark. Zool. **39A** no. 2.

Neopsittaconirmus Conci (= *Psittacicola* Guim.) p. 263, GUIMARÃES Papéis avulsos Dep. Zool. S. Paulo **8.**

Neotrichodectes osborni **n. n.** for *Trichodectes mephitidis* Osb. nec Pack. p. 182, KÉLER Stettin. ent. Ztg. **105** 1944.

Nirmoides **gen. n.** for *Docophorus antennatus* Piaget p. 81, EICHLER Stettin. ent. Ztg. **105** 1944.

Nirmus fuscus author Denny, host *Circus a. aeruginosus* p. 77, HOPKINS Entomologist **80.**—*N. testudinarius* (*biseriatus*) see *Quadraceps*; *uncinosus* see *Corvonirmus*; *ellipticus* see *Glareolites*; *obliquus* see *Mjöberginirmus*; *kastiformis* see *Trogoninirmus*.

Oedicnemiceps **gen. n.** for *Docophorus annulatus* Nitzsch p. 59, EICHLER Zool. Anz. **141** 1943 [not seen].

Ornithopeplechthos **gen. n.** for *Laemobothrion opisthocomi* Cummings p. 127, EICHLER Stettin. ent. Ztg. **102** 1941.

Pachyskelotes orthopleurus Nitzsch (= *Goniodes neumannia* Kell. & Paine) p. 109, HOPKINS Ann. Mag. n.H. (11) **14.**

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Paragoniocotes characters discussed p. 347, CLAY Ann. Mag. n.H. (11) **13.**—*P.* of America, re-description, *gripocephalus* Cumm. designated type p. 89; *cornutus* (on *Amazona f. farinosa*) p. 91, *heterogenitalis* (on *A. aestiva xanthopteryx*) p. 94 (with **subsp. n.** *similis* Brazil (on *A. aestiva*) p. 95), *tenuigaster* (on *A. tucumana*) p. 96, *acutifrons* (on *Pionopsitta m. melanotis*) p. 99, *longulufrons* (on *Pionus corallinus*) p. 100 (with **subspp. n.** *subsimilis* Bolivia (on *P. tumultuosus*) p. 102, *gracilis* (on *P. fuscus*) p. 103, *intermedius* (on *P. sordidus*) p. 105), *mercenarius* (on *A. mercenaria*) p. 92 Colombia, *mexicanus* (on *A. a. autumnalis*), *microgaster* (on *A. albifrons*) Mexico p. 97 **spp. n.** figs., CARRIKER Arthropoda **1.**

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Physostomum nitidissimum Nitzsch designated type p. 18, HOPKINS Entomologist **80.**—See *Ricinus*.

Plegadilymantikos **gen. n.** for *Laemobothrion pallescens* Kellogg p. 128, EICHLER Stettin. ent. Ztg. **102** 1941.

Pseudophilopterus notivagus corrected to *noctivagus* p. 262, GUIMARÃES Papéis avulsos Dep. Zool. S. Paulo **8.**

Psittacicola see *Neopsittaconirmus*.

Psittacomenopon africapon **sp. n.** (on *Poicephalus ruepelli*) Africa p. 137; *scalare* further description p. 136 figs., EICHLER Rev. Zool. Bot. afr. **40.**

Psittoecus Conci (= *Uncifrons* Guim.) p. 263, GUIMARÃES Papéis avulsos Dep. Zool. S. Paulo **8.**

Pterocotes aberrans **subsp. n.** *mokak* (on *Tinamus m. major*) Brazil p. 168 figs., EICHLER Rev. Ent. Rio de J. **18.**

Pterophagus **gen. n.** for *Laemobothrion gracilentum* Harrison p. 128, EICHLER Stettin. ent. Ztg. **102** 1941.

Quadraceps testudinarius Childr. (= *N. biseriatus* Childr.) from *Nirmus* p. 102, HOPKINS Ann. Mag. n.H. (11) **14.**

Rediella **gen. n.** p. 105, *mirabilis* **sp. n.** (on *Galachrysia ocularis*) Tanganyika p. 106 figs., HOPKINS t.c.

Rhopaloceras almeidai **sp. n.** (on *Crypturellus n. notivagus*) Brazil p. 211 figs., GUIMARÃES Livro hom. R. Ferreira d'Almeida 1946.—*R. oniscus* **subsp. n.** *carrikeri* (on *Tinamus t. tao*) Brazil p. 171, EICHLER Rev. Ent. Rio de J. **18.**

Ricinus Deg. (=*Physostomum* Nitzsch) *fringillae* Deg. (=*nitidissimum* Nitzsch) p. 18, HOPKINS Entomologist **80.**

Saemundssonia variabilis Denny (=*alpina* Giebel, *grubei* Eichl.) p. 110, HOPKINS Ann. Mag. n.H. (11) **14.**

Sturnidoecus **gen. n.** for *Docophorus leontodon* Nitzsch p. 81, EICHLER Stettin. ent. Ztg. **105** 1944.

Szidatiella **gen. n.** for *Docophorus elongatus* Piaget p. 81, EICHLER t.c.

Trichodectes melis egg p. 178 fig., KÉLER Arb. morph. taxon. Ent. Berl. **9** 1942.—*T. longicornis, tibialis, meyeri* descriptions and hosts pp. 409–415 figs., WERNECK Rev. brasil. Biol. **7.**—*T. mephitidis* see *Neotrichodectes osborni*; *barbarae* see *Trigonodectes*; *ferrisi* see *Werneckodectes.*

Tricholipeurus pakenhami **sp. n.** (on *Cephalophus adersi, C. caerulus aequatorialis, Sylvicapra grimmia*) Uganda p. 101 figs., WERNECK Rev. brasil. Biol. **7.**

Trigonodectes **gen. n.** for *Trichodectes barbarae* Neum. p. 185, KÉLER Stettin. ent. Ztg. **105** 1944.

Trinoton luridum egg p. 178 fig., KÉLER Arb. morph. taxon. Ent. Berl. **9** 1942.—*T. femoratum* see *Ewingella.*

Trogoninirmus **gen. n.** for *Nirmus hastiformis* Carriker p. 82, EICHLER Stettin. ent. Ztg. **105** 1944.

Uncifrons see *Psittoecus.*

Werneckodectes **gen. n.** for *Trichodectes ferrisi* Wern. p. 59, CONCI Boll. Soc. ent. ital. **76** 1946.

PSOCOPTERA.

Psocoptera of the Atlantic Is., BADONNEL Mém. Soc. Biogéogr. Paris **8** 1946 pp. 239–243.

A new classification of Psocoptera, ROESLER Stettin. ent. Ztg. **105** 1944 pp. 118–161.

Corrodentia of Brazil, WILLINER Acta zool. lilloana **3** pp. 231–234, 1 pl.

Actenotarsus see *Hemineura.*

Anomopsocus **n. n.** for *Pseudopsocus* Chapman nec Kolbe p. 239, ROESLER Arb. morph. taxon. Ent. Berl. **7** 1940.

Antipsocus **gen. n.**, *radiolosus* **sp. n.** Costa Rica p. 241, ROESLER t.c.

Caecilius nigroticta **sp. n.** Brazil p. 233 fig., WILLINER Acta zool. lilloana **3.**

Cerastipsocus fuscipennis Burm. designated type p. 147. ROESLER Stettin. ent. Ztg. **105** 1944.

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Sucinagonia **gen. n.** p. 18, *javetana* **sp. n.** Baltic amber p. 19 figs. UHMANN Bernstein-Forsch. no. 4 1939.

Taphramites **gen. n.** p. 41, *gnathotrichus* **sp. n.** p. 42 Baltic amber, SCHEDL Zbl. Gesamtgeb. Ent. **2.**

Taphrorychus immaturus **sp. n.** Baltic amber p. 43 fig., SCHEDL t.c.

Hymenoptera.

Harpactosphecion **gen. n.** for *Thaumatodryinus filicornis* Brues p. 92 fig., HAUPT Stettin. ent. Ztg. **105** 1944.

Thaumatodryinus filicornis see *Harpactosphecion.*

Lepidoptera.

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Catalogue of fossil Nemestrinidae of N. America north of Mexico, BEQUAERT Psyche **54** pp. 205–207.

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Apolysis magister **sp. n.** Colorado p. 47 fig., MELANDER Psyche **53.**

Asilus curculionis **sp. n.** Colorado p. 45 fig., MELANDER t.c.

Eophora **gen. n.** [no type] Quercy p. 16 figs., HANDSCHIN Schweiz. palaeont. Abh. **64** (1944) [? 1947] no. 4.

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Phylogenetic relations between recent & Permian Homoptera, BEKKER-MIGDISOVA Bull. Acad. Sci. URSS Biol. **1946** 1946 pp. 741–766, 25 figs.

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Gryllotalpa aveyronensis **sp. n.** Quercy p. 5 figs., HANDSCHIN Schweiz. palaeont. Abh. **64** (1944) [? 1947] no. 4.

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Necymylacris Bolton 1917 [but not proposed as new genus] nec Scudd. see *Necymylacrodes.*

Necymylacrodes **n. n.** for *Necymylacris* Bolton nec Scudd. p. 388, STRAND Folia zool. hydrobiol. **11** 1942.

Phyloblatta rosasi p. 10, *carringtoni* p. 12 **spp. n.** Portugal figs., TEIXEIRA Publ. Mus. Lab. Min. Geol. Fac. Ci. Pôrto **9** 1939.—*P.* from Rhetian, Coimbra p. 243 figs., TEIXEIRA Bol. Soc. geol. Portugal **6.**

Megasecoptera.

Asthenohymen triangularis, apicalis p. 41, *parvulus, latus* p. 42 **spp. n.** Lower Permian, Oklahoma figs., CARPENTER Proc. Amer. Acad. Sci. **76.**

Calohymen **gen. n.**, *permianus* **sp. n.** Lower Permian, Oklahoma p. 30, CARPENTER t.c.

Eumartynovia **gen. n.**, *raaschi* **sp. n.** Lower Permian, Oklahoma p. 33 figs., CARPENTER t.c.

Martynovia longipennis **sp. n.** Lower Permian, Oklahoma p. 32 fig., CARPENTER t.c.

Parelmoa **gen. n.**, *revelata* (type), *radialis* p. 28, *obtusa* p. 29 **spp. n.** Lower Permian, Oklahoma figs., CARPENTER t.c.

Phaneroneura **gen. n.** p. 33, *martynovae* (type), *reducta* **spp. n.** Lower Permian, Oklahoma p. 34 figs., CARPENTER t.c.

Protohymen curvatus, latus p. 37, *venustus, largus* p. 38 **spp. n.** Lower Permian, Oklahoma figs., CARPENTER t.c.

Pseudelmoa **gen. n.**, *ampla* **sp. n.** Lower Permian, Oklahoma p. 29 fig., CARPENTER t.c.

Sylvohymen ingens **sp. n.** Lower Permian, Oklahoma p. 31 fig., CARPENTER t.c.

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Protereisma uralicum **sp. n.** Permian deposits Urals p. 351 fig., ZALESSKY C.R. Acad. Sci. URSS (N.S.) **54**.

Odonata.

Doropteron **gen. n.**, (Doropteridae **fam. n.**) *mirum* **sp. n.** Permian, Ural Mts. p. 64 figs., ZALESSKY Bull. Soc. Nat. Moscou Sect. Biol. (N.S.) **51** 1946 no. 4–5.

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Kennedya fraseri **sp. n.** Lower Permian, Oklahoma p. 50 fig., CARPENTER Proc. Amer. Acad. Sci. **76**.

Meganeuropsis americana **sp. n.** Lower Permian, Oklahoma p. 46 figs., CARPENTER t.c.

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ERRATA

Vol. lxxiii, 1936, for "**13**" read "**18**" on :— p. 29, No. **475** and Staphylinidae pp. 232–236 ; p. 37, No. **646** and p. 325, col. 1, line 26 ; p. 52, No. **986** and p. 248, col. 1, line 37, p. 250, col. 1, 22 lines from end ; p. 55, No. **1069** and p. 406, col. 1, 13 lines from end, col. 2, line 3 ; p. 74, No. **1496** and p. 383, col. 1, line 19 ; p. 83, No. **1701**, p. 91, No. **1870** and Odonata pp. 426–429 ; p. 84, Nos. **1726**, **1727** and Lycidae p. 245, Brenthidae pp. 275–276 ; p. 100, No. **2074** and p. 389, col. 1, line 28, col. 2, line 25 ; p. 107, No. **2240** ; p. 111, No. **2321** and p. 260, col. 2, line 4 ; p. 121, No. **2554** and p. 328, col. 1, line 3, p. 330, col. 2, 17 lines from end ; p. 123, No. **2594** and Helodidae p. 242, Anobiidae p. 243, Telephoridae, Lycidae p. 245, Lampyridae p. 246, Cistelidae p. 254, Pedilidae p. 258, Mordellidae p. 259 ; p. 138, No. **2940** and Scolytidae pp. 273-274, Platypidae p. 275 ; p. 161, No. **3440** and p. 303, col. 2, 12 lines from end.

Vol. lxxiv, 1937, p. 348, col. 2, line 34, for "**54**" read "**53**."

Vol. lxxv, 1938, p. 296, col. 1, line 26, for "**n. n.** for *Dentagenia* Hpt." read "**gen. n.** for *Dentagenia madraspatanus* Sm."

Vol. lxxv, 1938, p. 373, col. 1, line 8, for "*Pseudopeteina* Towns." read "*Pseudopeteina* Ringd."

Vol. lxxvi, 1939, p. 265, col. 1, *Polydrosus* (line 9) transfer *ruralis* and *delectans* to *Myllocerus*.

,, ,, ,, p. 314, col. 2, for "*Hedamara*" read "*Hemadara*"

,, ,, ,, p. 342, col. 2, for "*Kieferia*" read "*Keiferia*"

,, ,, ,, p. 398, col. 2, for "*Microtenia*" read "*Microctenia*"

Vol. lxxviii, 1941. Stettin. ent. Ztg. Vol. **101** Heft 3 was published in 1940 not 1941, which affects the entries on :—p. 43, No. **783** ; p. 201, col. 2, line 18 and 17 lines from end ; p. 202, col. 1, 3 lines from end and col. 2, line 8 and 11 lines from end ; p. 203, col. 1, line 21 and 10 lines from end, col. 2, line 15.

Vol. lxxx, 1943, p. 77, No. **1440**, for "Wien. ent. Ver. Ztg." read "Z. Wien. EntVer." and delete "[Original paper not seen.]"

Vol. lxxxi, 1944, J. Parasit. Vol. **30** no. 6 was published in 1945 not 1944, which affects the entries on :—p. 12, No. **71** ; p. 211 (*Pleochaetoides* **gen. n.**).

Vol. lxxxi, 1944, p. 172, col. 1, line 8, for " **36** " read " **26** " and delete " [not seen]."

Vol. lxxxii, 1945, p. 49, No. **883** ; p. 144, col. 2, 20 lines from end ; p. 283, col. 1, 8 and 10 lines from end, col. 2, 12 lines from end ; p. 284, col. 2, line 32, for " GOWIN " read " GOUIN "

,, ,, ,, p. 177, col. 2, transfer *Discogenia* to DISCOLOMIDAE

,, ,, ,, p. 273, col. 1, transfer *Caloptilia* to TINEIDAE

Vol. lxxxiii, 1946, p. 149, col. 1, 11 lines from end, delete " TECHNIQUE : "

,, ,, ,, p. 226, col. 1 transfer *Phymatodes* to CERAMBYCIDAE

,, ,, ,, p. 250, col. 1, transfer *Macrochenus* to LAMIIDAE

,, ,, ,, p. 275, col. 2, 13 lines from end, for " DURÁN-MAYO " read " DURÁN-MOYA "

,, ,, ,, p. 304, col. 2, transfer *Eusemia* to AGARISTIDAE

,, ,, ,, p. 310, col. 1, for " *Lygris testacea* **sp. n.**" read " *Lygris testata* **ab. n.** *sperringi* "

,, ,, ,, p. 313, col. 2, transfer *Plutella* to TINEIDAE

,, ,, ,, p. 314, col. 2, p. 315 cols. 1 and 2, transfer *Chapmania*, *Eriocrania*, *Heringocrania* to MICROPTERYGIDAE

,, ,, ,, p. 315, col. 1, transfer *Epinotia* to TORTRICIDAE

,, ,, ,, p. 316, col. 1, transfer *Orneodes* to PTEROPHORIDAE

,, ,, ,, pp. 321, 322, col. 2, last line and lines 1–3, for " sep. p. 9 " read " p. 191," for " sep. p. 1 " read " p. 183 " and for " **27** 1936 " read " **27–29** 1939 "

,, ,, ,, p. 363, col. 1, for " *Phdaspis* " read " *Pudaspis* "

,, ,, ,, p. 369, col. 2, line 15, for " Blgian " read " Belgian " ; line 16, for " Bule " read " Bull." and for " pp. 85–89.1." read " pp. 85–89."

Vol. lxxxiv, 1947 (the current Vol.)

p. 209, col. 1, transfer *Cercyon* to HYDROPHILIDAE

p. 225, col. 1, transfer *Notiophygus* to DISCOLOMIDAE

p. 232, col. 2, transfer *Ochodaeus* to OCHODAEIDAE

p. 238, col. 2, *Cavibaris* entry should read " *Cavibaris* Bond. (= *Scleronychius* Hust. nom. nud.) *brasiliensis* Bond. (= *ebenus* Hust.) p. 294, BONDAR Rev. Ent. Rio de J. **18** "

p. 245, col. 1, *Scleronychius* entry should read " *Scleronychius* see *Cavibaris* "

p. 251, col. 2, transfer *Pseudomeges* to LAMIIDAE

p. 312, col. 1, transfer *Tuerta* to AGARISTIDAE

p. 321, col. 2, transfer *Cymolomia* and *Endothenia* to TORTRICIDAE

p. 323, col. 1, transfer *Paramorpha* to TORTRICIDAE

p. 392, col. 2, transfer *Meltripata* to TETRIGIDAE

14. PROTOCHORDATA

INCLUDING

ENTEROPNEUSTA AND PTEROBRANCHIA

BY

M. BURTON, D.Sc.

I.—TITLES

1.—Bacq., Z. M. L'acétylcholine et l'adrénaline chez les invertébrés. Biol. Rev. Cambridge **22** (1) 1947 [Tunicates p. 77].

2.—Berrill, N. J. Metamorphosis in Ascidians. J. Morph. Philadelphia **81** 1947 pp. 249–267 4 figs.

3.—Berrill, N. J. The structure, development and budding of the Ascidian, *Eudistoma*. J. Morph. Philadelphia **81** 1947 pp. 269–281 3 figs.

4.—Berill, N. J. The Ascidians *Tridemnum alleni* and *Distaplia garstangi*, new species from the Plymouth area. J. Mar. biol. Ass. Plymouth **26** (4) 1947 pp. 609–615 3 figs.

5.—Berrill, N. J. The development and growth of *Ciona*. J. Mar. biol. Ass. Plymouth **26** (4) 1947 pp. 616–625 3 figs.

6.—Berrill, N. J. The structure, tadpole and budding of the Ascidian *Pycnoclavella aurilucens* Garstang. J. Mar. biol. Ass. Plymouth **27** (1) 1947 pp. 245–251 3 figs.

7.—Brien, P. Guide des Travaux pratiques de Zoologie Paris **1947** [Amphioxus pp. 143–148].

8.—Madsen, F. J. *Octacnemus ingolfi* n. sp., an Atlantic Representative of the peculiar Tunicate-Family Octacnemidae. Vidensk. Medd. naturh. Foren. Kjøb. **110** 1947 pp. 31–44 1 pl. 2 figs.

9.—Pearse, A. S. On the occurrence of ectoconsortes on marine animals at Beaufort, N.C. J. Parasit. Lancaster, Pa. **33** 6 1947 [Tunicates p. 455].

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13.—Wilson, D. P. They live in the sea. London **1947** [Tunicates pp. 106–107].

II.—SUBJECT INDEX

GENERAL

Brien **7.**

PHYSIOLOGY

Bacq **1**; Pérès **10, 11.**

DEVELOPMENT

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PÉRÈS **10**.

DISTRIBUTION

MARINE

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III.—SYSTEMATIC INDEX

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Distaplia garstangi **sp. n.** British Isles, BERRILL J. Mar. biol. Ass. Plymouth **26** (4) p. 612 fig. 3.

Eudistoma structure and development, BERRILL **3**.

Octanemus ingolfi **sp. n.** North Atlantic, MADSEN Vidensk. Medd. naturh. Foren. Kjøb. **110** 1947 p. 34 pl. i, text-fig. 2.

Trididemnum alleni sp. n. British Isles, BERRILL J. Mar. biol. Ass. Plymouth **26** (4) p. 609 figs. 1–2.

HEMICHORDATA

(Vacant.)

CEPHALOCHORDATA

(Vacant.)

PTEROBRANCHIA

(Vacant.)

PHORONIDA

(Vacant.)

POGONOPHORA

(Vacant.)

15. PISCES

COMPILED BY

N. B. MARSHALL, M.A.
G. PALMER (Recent) and
E. I. WHITE, D.Sc. (Fossil)

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3.—Annual Report of the Fisheries Research Board of Canada for the year 1947. pp. 1–82 6 text-figs.

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5.—Aquarist, London **12** 1–9 1947.

6.—Aquarium Philadelphia **16** Nos. 1–12 1947.

7.—Finlands Fiskerier. Helsingfors **54** 4–6 1947.

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9.—Salmon and Trout Mag. London Nos. 120–121 1947.

10.—Svensk. Fisk. Tidskr. **55** 1–2 1946.

11.—Svensk. Fisk. Tidskr. **56** 1947.

12.—The commercial fish catch of California for the years 1945 and 1946. Div. Fish and Game California No. 67 1947 80 pp.

13.—Umwelt, Wilhelminenberg Hft. 2–8 1947.

14.—Water Life, London **1** 4 1947 and **2** 1–5 1947.

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17.—**Ahmad,** N. On the spawning habits and development of the so-called freshwater shark, *Wallagonia attu* (Bloch and Schneider). Proc. nat. Inst. Sci. India **10** 1944 pp. 193–199 1 pl. 3 text-figs.

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(Hamilton), with hints for distinguishing eggs, embryos and larvae of *Labeo gonius*, *Cirrhina mrigala* and *Wallagonia attu*. Proc. nat. Inst. Sci. India **10** 1944 pp. 343–354 4 text-figs.

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Albert, A. *see* Hisaw, F. L.

20.—Aleati, C. Contributo alla conoscenza istochimica delle cellule granulose acidofile del'epitelio intestinale di *Torpedo ocellata*. Boll. Zool. Torino **11** 1940 pp. 147–152.

21.—Al-Hussaini, A. H. The anatomy and histology of the alimentary tract of the coral feeding fish *Scarus sordidus* (Klunz.). Bull. Inst. égypt. **27** 1946 pp. 349–377 15 text-figs.

22.—Al-Hussaini, A. H. The anatomy and histology of the alimentary tract of the plankton-feeder, *Atherina forskali* Rüpp. J. Morph. Philadelphia **80** 1947 pp. 251–286 8 text-figs.

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28.—Aplin, J. A. The effect of explosives on marine life. Calif. Fish Game **33** 1947 pp. 23–30 2 text-figs.

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30.—Applegate, V. C. The menace of the sea lamprey. Michigan Conservation **16** No. 4 1947 pp. 6, 7 and 10.

31.—Arambourg, C. Contribution à l'étude géologique et paléontologique du bassin du Lac Rodolphe et de la Basse Vallée de l'Omo. 2e partie Paléontologie. Mus. Nat. His. Nat. Paris, Mission Sci. de l'Omo 1932–3 **1** 3 1947 pp. 469–489 pls. xxxvi–xl 7 text-figs.

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38.—Bal, D. V. and **Pradhan,** L. B. Occurrence of *Myctophum* sp. in Bombay harbour. Current Sci. Bangalore **16** 1947 p. 122 1 text-fig.

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41.—Bangham, F. V. Parasites of Northern Wisconsin fish. Trans. Wisc. Acad. Sci. Arts Lett. **36** 1944 pp. 291–325.

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43.—Barnard, K. H. South African Fishes, Capetown [1947] 226 pp. 25 pls.

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50.—Bauza Rullán, J. Nuevas aportaciones al conocimiento de la ictiologia del Neógeno catalano-balear. Bol. Soc. esp. Hist. nat. **45** 1947 pp. 523–538 pl. xxxvi.

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60.—Bigelow, H. B. and **Schroeder,** W. C. Record of the tile-fish, *Lopholatilus chamaeleonticeps* Goode and Bean, for the Gulf of Mexico. Copeia, Ann Arbor 1947 pp. 62–63.

61.—Bijtel, J. H. The mechanism of movement of the gill-filaments in Teleostii. Experientia, Basel **3** 1947 pp. 158–160 4 text-figs.

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16. AMPHIBIA AND REPTILIA

ARRANGED BY

J. C. BATTERSBY (RECENT)

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†*Opisthocoelorum* **gen. nov.** (no species named or genotype), Eocene of Geiseltal, Nova Acta Leop. Carol. Halle, N.F. **10** 71 1941 pp. 369–370, fig., KUHN **439**.

†*Opisthocoelellus weigelti* **gen. & sp. nov.**, Eocene of Geiseltal, Nova Acta Leop. Carol. Halle, N.F. **10** 71 1941 pp. 367–368, fig., KUHN **439**.—†*Opisthocoelellus weigelti* **gen. et sp. nov.**, Kuhn, Eocene of Geiseltal, Germany, Nova Acta Leop. Carol. Halle, N.F. **10** 1941 p. 341, HINSCHE **370**.

†*Quinquevertebron germanicum* **gen, et sp. nov.**, Kuhn, Eocene of Geiselta, Germany, Nova Acta Leop. Carol. Halle N.F. **10** 71 1941 p. 338, HINSCHE **370**.

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†*Anisodoniosaurus greeri*, **gen. & sp. nov.**, Trias of Northern Arizona, ? Rhynchocephalian, descr. & figd., Univ. Calif. Publ. Bull. **27** 7 1947 pp. 281–286, WELLES **918**.

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†*Placosauriops weigelti* **gen. & sp. nov.** descr. & figd., from Eocene of Germany, Nova Acta Leop. Carol. Halle, N.F. **8** 53 1940 pp. 469–471, KUHN **438**.

†*Placosauroides abderhaldeni* **gen. & sp. nov.** descr. & figd., from Eocene of Germany, Nova Acta Leop. Carol. Halle, N.F. **8** 53 1940 pp. 461–486, KUHN **438**.

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17. AVES

ARRANGED BY

Lt.-Col. W. P. C. TENISON, D.S.O.

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British Isles.—CLANCEY 240, FISHER 380, MEINERTZHAGEN 798.

English Counties.—ANON. 8, CHISLETT 235; Southern counties, YEATES 1359; Berkshire, GLADSTONE 440, HARRISON 525; Buckinghamshire, HAYWARD 536, PRICE 961; Cambridgeshire, ANON. 4, HINDE & THOM 553; Cheshire, ANON. 9, BOYD 159–161; Cumberland, BLEZARD 124, CARR-LEWTY 218, JOHNSTON 616, STOKOE 1154; Derbyshire, MARSHALL 770; Devon, ANON. 12; Dorset, BLATHWAYT 123; Durham, BLAIR 120, TEMPERLEY 1203; Essex, CAMPBELL 210; Gloucestershire, DAVIS 287, SCOTT 1063; Hampshire, SCOTT 1063; Hertfordshire, HAYWARD 536; Hertfordshire, HOBBS 558; Kent, BEESLEY 81, HARRISON 519, 524, 525; Lancashire, BARNES 69; Lancashire, ELLISON & OTHERS 356; London, ANON. 10, 11, ASHBY 46, FITTER 387, HANSTRÖM 512, HOLLOM 566, PARRINDER 897, TURNER 1240; Middlesex, HURCOMB 591; Norfolk, BUXTON 200, GAY 418, HARRISON 519, 526, PIGGIN 931, SEAGO 1066; Northamptonshire, ANON. 6, BURTON 196; Northumberland, COOK 261, TEMPERLEY 1203; Nottinghamshire, ROMER 1010; Oxfordshire, GREEN 471; Somerset, CORNISH & CRASKE 267, DAVIS 288, HENDY 542, KING 643; Staffordshire, BRYAN 185; Suffolk, PEARSON 905; Sussex, ARNOLD 43, BROWN 182, CAWKWELL 222, HARRISON 524, ROMER 1010, TICEHURST 1217, WILKINSON 1324; Westmorland, BLEZARD 125, GARNETT 416; Wiltshire, ANON. 5, COOKE 263; Worcestershire, HARTHAN 527; Yorkshire, WAGSTAFFE & OTHERS 1286.

Wales. — Caernarvonshire, SWAINE 1184.

Scotland.—CLANCEY 241; Caithness, PILKINGTON 933.

Ireland.—GOODBODY 454, McCLINTOCK 743, RUTTLEDGE 1028–1030; Antrim, MITCHELL 817; Clare, MASON 776; Dublin, KENNEDY 637; Kerry, MEINERTZHAGEN 799; Wexford, BARLEE & RUTTLEDGE 68.

Smaller British Islands.—Lundy I., ETHERTON **361**; Grassholm, PITT **940**; Skomer I., BUXTON **201**; Skokholm, LOCKLEY **725**; South Uist, SWEETLOVE **1186**; St. Kilda, ATKINSON **48**; Eynhallow, Orkney, PITT **940**; Shetland, VENABLES **1266**, YEATES **1361**.

France.—BERTHET **110**, MAYAUD **785**, RIVOIRE & HUE **998**; Vendée, GUÉRIN **486**; Eure-et-Loir, LABITTE **678**; Camargue, LOMONT **729**, YEATES **1360**; Rhone delta, YEATES **1358**.

Belgium.—BENEDEN **88**, **89**, BONT **146**, DUPOND **333**.

Holland.—BROUWER & JUNGE **181**, DONIA **319**, HAVERSCHMIDT **530**, SEGERS **1070**, **1071**.

Denmark.—ASMUSSEN **47**, JESPERSON **609**, LØPPENTHIN **730**, MØHLHANSEN **821**, POULSEN **953**, **954**, SALOMONSEN **1035–1037**, WESTERSKOV **1302**.

Sweden.—BERGSTRÖM **106**, CHRISTIANSEN **238**, EDELSTAM & OTHERS **344**, LARSON **697**, NORÉHN **866**, **867**, OLSSON **877**, OTTERLIND **882**, **883**, SALOMONSEN **1038**, SVÄRDSON **1183**, THOMASSON **1214**.

Norway.—LØVENSKIOLD **733**.

Faeroe Islands.—FERDINAND **376**, RYGGI **1031**, SALOMONSEN **1039**, WILLIAMSON **1332**, **1334**.

Spitzbergen.—OUSTALET **884**.

Finland.—BÄCK **52**, HAARTMAN **493**, KIVIRIKKO **648**, KLOCKARS **654**, KURKISALO **675**, LAMPIO **691**, LEIVO **714**, MERIKALLIO **800**, NORDSTRÖM **865**, NYLUND **872**, PAATELA **886**, PERTTULA **910**, RAITASUO **971**; Helsinki, TAURIA **1196**.

Baltic Provinces.—Latvia, ROMS **1011**, RĀCENIS **969**, VILKS **1272**, VILKS & PETERSONS **1273**.

U.S.S.R.—Crimea, PARAMONOW **894**; Turkestan, DEMENTIEV & OTHERS **307**; Siberia, GROTE **485**, VOROBIOV **1281**.

Switzerland.—ARN **42**, BAUMANN **78**, BLOESCH **128**, BRUNNER **184**, BURCKHARDT & WYSS **190**, GÉROUDET **420**, MEYLAN **802**; Wallis, CORTI **269**; Zurich, EPPRECHT **359**.

Poland.—JIRSIK **613**, MARCHLEWSKI **766**, SOKOLOWSKI **1119**, SZAFER **1187**.

Hungary.—BERETZK **103**, HOMONNAY **569–572**, KLEINER **650–652**, PÁTKAI & SZENT-IVÁNY **899**, SZENT-IVÁNY **1188**, THIBAUT DE MAISÈRES **1209**, UDVARDY **1244**, SOLYMOSY **1121**; Balaton, ENTZ & SEBESTYÉN **358**, KEVE & OTHERS **641**; Budapest, DORNING **322**.

Italy.—CARLO **216**, CHIGI **232**, DATHE **285**, MOLTONI **823**, ROSSI **1016**, **1017**, SCOTTI **1065**, SEVESI **1085**; Venice, FAVERO **373**.

Malta.—GIBB **425**.

Yugo-Slavia.—KRONEISL **671**, MARTINO & MATVEYEV **774**, MĂSTROVIĆ **777**, MATVEJEV **781**, RUCNER **1021**.

Bulgaria.—PATEFF **898**.

Spain.—BERNIS **109**, CONGREVE **256**; Guadalquiver delta, YEATES **1358**.

Portugal.—BARROS E CUNHA **72**, THEMIDO **1208**.

Azores.—SPOLTON & MAYAUD **1135**.

North Africa.—Algeria, ROOKE **1012**.

Aegean Islands.—Rodi, TORTONESE & MOLTONI **1231**.

Palestine.—HARDY **516**.

Persia.—TROTT **1237**, **1238**.

Arabia.—TROTT **1237**.

Tibet.—MAYR **792**.

China.—GREENWAY **472**; Fukien, CHENG **231**; Honan, CHONG **237**; Hong Kong, HERKLOTS **545**, **546**; Peking, HEMMINGSEN **541**; Shanghai, ALLISON **31**, SOWERBY **1130**, WILDER **1323**.

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India.—LUMSDEN **738**; Kashmir, LOKE **728**, PHILLIPS **925**; Assam, BETTS **113**; Darjeeling, EDWARDS **349**; Bengal, INGLIS **598**; Punjab, BIVAR **119**, FLEMING **392**; Delhi, HUTSON **594**; Bhavnagar, DHARMAKUMARSINHJI **312**; Bihar, ANON. **15**; Nilgiris, MURRAY **853**; Deccan, RAHIMULLAH **970**; Mysore, FREND **401**; South India, FRITSCHI **409**.

Ceylon.—PHILLIPS **927**, RIPLEY **994**, WEST **1300**.

Burma.—SCHAUENSEE **1046**, STANFORD **1143–1145**.

Indo China.—Siam, DEIGNAN **295–298**; Tranninh, DAVID-BEAULIEU **286**; Thailand, WILLIAMSON **1335**.

Malaysia.—DELACOUR **301**, KEMPE **635**; Singapore, RICHARDSON & BRAND **988**; Philippine Is., DEIGNAN **297**, MAYR **794**, STOTT **1162**, VAURIE **1263**; Celebes, RUITER **1025**; Java, BEMMEL **86**, HOOGERWERF **574**, KOOIMAN **665**.

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West Africa.—CANSDALE **214**; Dakar, HEIM DE BALSAC **539**; Gold Coast, HOLMAN **567**; Portuguese Guinea, MONARD **826**; Nigeria, BOURDILLON **154**; River Niger, French Soudan, GUICHARD **488**; French Congo, BERLIOZ **107**; Belgian Congo, SCHOUTEDEN **1056–1058**, VERHEYEN **1267**; Angola, BENSON **93**, WHITE **1315**; Gabun, BERLIOZ **108**.

Ascension Island.—TOMLINSON **1228**.

South Africa.—BENSON **92**, GIBSON-HILL **427**, STEVENSON-HAMILTON **1151**, VINCENT **1275**, WHITE **1317**; Southern Rhodesia, BENSON **96**, HAMLING **506**, NEWBY-VARTY **858**, ROBERTS **1001**; Pondoland, WINTERBOTTOM & HARE **1340**; Transvaal, ZINN **1376**; Natal, GARLAND **415**, PLOWES **944**; Cape Province, GODFREY **451**, MURRAY **852**, PAGE **889**, SKEAD **1097**, SMITHIES **1114**, TAYLOR **1198**, **1199**.

Madagascar.—HOMES **568**, VAN SOMEREN **1257**.

Central and East Africa.—BENSON **92**, FRÉMONT **400**, GRANT & MACKWORTH-PRAED **467**, SUTHERLAND **1178**; Abyssinia, BENSON **94**; Eritrea, SMITH **1111**; Sudan, CAVE **221**; Northern Rhodesia, BRELSFORD **167**, WHITE **1315**, **1318**; Nyasaland, BENSON **94**, **98**, **99**, BROWN **183**; Uganda, VAN SOMEREN **1259**; Kenya, POLLARD **945**, TOMLINSON **1229**, WILLIAMS **1327**; Tanganyika Territory, GRANT & MACKWORTH-PRAED **468**, MOREAU **838**; Mozambique, SACARRAO **1032**; Portuguese East Africa, BENSON **93**, **97**.

AUSTRALIAN REGION and POLYNESIA

Australian Commonwealth.—BOEHM **129**, CHISHOLM **233**, HUMPHRIES **590**, MCGILL **749**, MATHEWS **778**, SHARLAND **1087**, STEWART **1152**, SOUTHERN & SERVENTY **1129**, WHEELER **1310**, WHITTELL **1321**; Queensland, BOURKE **156**, HOLLAND **565**, HUMPHRIES **590**, MARSHALL **768**, ROBERTSON **1003**; Northern Territory, SEDGWICK **1067**; Western Australia, GLAUERT **441**, JENKINS **607**, SEDGWICK **1069**, SERVENTY **1077**; South Australia, CONDON **254**; Victoria, BURGESS **192**, **193**, COLEMAN **248**, LEARMOUTH **708**, WATSON & LEARMOUTH **1293**; Tasmania, FLETCHER **393**.

New Zealand.—FALLA **369**, PHILLIPS **926**, RANSTON **978**.

Pacific Islands.—Hawaii, AMADON **33**, FISHER **378**, FISHER & BALDWIN **379**, MUNRO **849**; New Guinea, BEMMEL **87**; Admiralty Is., RIPLEY **995**; Christmas Island, GIBSON-HILL **428**; Guadalcanal, PENDLETON **907**; Riu Kiu Is., PHILLIPS **920**; Bourgainville I., VIRTUE **1277**; Guam I., BAKER **60**; Mariana Is., BAKER **61**, BORROR **149**, DOWNS **327**, STOTT **1161**.

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Central America.—FRIEDMANN **406**; BRODKORB **171**; Costa Rica, SKUTCH **1103**; Guatemala, CORDIER **265**.

Galapagos.—LACK **681**.

West Indies.—Bermuda, MOORE **831**; Bahamas, ZAHL **1367**; Cuba, BOND & MORENO **141**, MCATEE **741**; Puerto Rico, BARNÉS **70**.

South America.—TODD **1220**, **1223**; Venezuela, AVELEDO **50**, GINÉS & AVELEDO **435**, PHELPS **916–919**, TODD **1224**, YEPEZ **1362**, YEPEZ & HOSTOS **1363**, ZIMMER & PHELPS **1375**; Dutch Guiana, HAVERSCHMIDT **531**; Colombia, BORRERO **148**, DUGAND **331**, FRIEDMANN **408**, MILLER **807**, NICÉFORO **859**, SCHAUENSEE **1048**, WETMORE **1306**, ZIMMER **1371**; Brazil, CAMAGO **208**, CAMARGO **209**, PINTO **934–936**, ZIMMER **1372**, **1375**, Bolivia, TODD **1222**, **1224**; Chile, GOODALL, JOHNSON &

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U.S.A., South Eastern.—HAUSMAN 529, PETERSON 911; Tennessee, GANIER 414, HERNDON 548, TANNER 1194, North Carolina, QUAY 967; South Carolina, SPRUNT 1140; Arkansas, LINCOLN 721; Alabama, WHEELER 1311; Mississippi, VAIDEN 1247; Georgia, FLEETWOOD 390; Florida, WESTON 1303.

U.S.A., North Eastern.—PETERSON 911; Massachusetts, BURNETT 194; Connecticut, POOR 948, SAUNDERS 1043; Delaware, COMAN 250, MANNERS 764, ROSS 1014; New York, EISENMANN 350, KUTZ 677, MCKEEVER 751; New York City, BULL 188, CARLETON 215, MCKEEVER 752, SOLL 1120, STORER 1160; Long Island, New York, FISCHER 377, LATHAM 701, MCKEEVER 752, MULLER 848; New Jersey, MCMULLEN 759; Pennsylvania, POOLE 947, REIMANN 982; Philadelphia, GILLESPIE 433, TRACY 1233; Maryland, BRACKBILL 163, HAMPE 507, HAMPE & KOLBE 508, STEWART & ROBBINS 1153.

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Alaska.—BAILEY 55, HANNA 510, JEWETT 611, RAND 973, WILLIAMS 1329; Yukon, SCHMID 1053.

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†DINORNITHIDAE

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18. MAMMALIA

COMPILED BY

R. W. HAYMAN

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†*Paramerychus* **gen. nov.** for genotype †*Merychus harrisonensis* Peterson

and †*Eporeodon relictus* Loomis, p. 247. SCHULTZ and FALKENBACH Bull. Amer. Mus. Nat. Hist. **88** 1947.

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†*Lama* sp. new finds, Pliocene, Argentine, KRAGLIEVICH **712**.—*L. cordubensis* valid species, extinct in recent times, BUSTOS **223**.

†*Nothokemas* **gen. nov.** for genotype †*Paratylopus grandis* White, p. 508, T. E. WHITE Bull. Mus. Comp. zool. Harvard **99** 1947.

†*Palaeolama* new remains from Recent Argentine, BUSTOS **223**.—*P.* sp. from prehistoric tumuli in Argentine, RUSCONI **1040**.

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†*Ctenocerus* **nom. nov.** for †*Pliocervus* Hilzheimer (nec Alexejew) p. 350, KRETZOI Foldt. Kozl. Budapest **71** 1941.

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†*Nipponicervus* **nom. nov.** for †*Deperetia* Shikama (*nec* Teppner), p. 350, KRETZOI Foldt. Kozl. Budapest **71** 1941.

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†*Breameryx* **gen. nov.** for genotype †*Capromeryx* (?) *minor* Taylor, FURLONG (Contr. Pal.) Publ. Carnegie Inst. Washington 551 1946 p. 137.

†*Merycodus* ? sp. nov. Miocene, Oregon, R. E. WALLACE **1308**.

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†*Austroportax* **gen. nov.** for genotype *Tragocerus latifrons* Sickenberg, pp. 266, 341, KRETZOI Foldt. Kozl. Budapest **71** 1941.

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†*Bison* sp. fractured metatarsal, PALES **932**.—*B. antiquus barbouri* **subsp. nov.** Pleistocene Dawson County, Nebraska, p. 7, SCHULTZ and FRANKFORTER **1103**.—†*Bison* systematic review, *B.* (*B.*) *preoccidentalis* **sp. nov.** Pleistocene, Fairbanks, Alaska, pp. 151, 174, *B. pacificus* Hay 1927 synonym of *B.* (*Simobison*) *antiquus*, p. 179, *B. texanus* Hay and Cook 1928 synonym of *B. occidentalis*, p. 171, *B. taylori* Hay and Cook 1928, *B. oliverhayi* Figgins 1933, *B. antiquus barbouri* Schultz and Frankforter 1946 all synonyms of *B.* (*S.*) *antiquus figginsi* p. 182; *B.* (*Platycerobison*) **subgen. nov.** for genotype *B. chaneyi* Cook 1928, pp. 152, 197 and for *P.* (*P.*) *geisti* **sp. nov.** Pleistocene, Fairbanks, Alaska, pp. 152, 199; *B.* (*Gigantobison*) **subgen. nov.** for genotype *Bos latifrons* Harlan 1825, pp. 152, 203, with *B. ferox* Marsh 1877, *B. crampianus* Cope 1894, both p. 206, *B. angularis*, *B. rotundus* both Figgins 1933, both p. 207, all synonyms; *B.* (*Parabison*) **subgen. nov.** for genotype *B. exiguus* Matsumoto 1915 (1927), pp. 212, 219, *B.* (*P.*) *exiguus* ? *harbinensis* **subsp. nov.** Pleistocene, Harbin, Manchukuo, pp. 212, 224, SKINNER and KAISEN Bull. Amer. Mus. Nat. Hist. **89** 1947.—*B. taylori* numerous remains Pleistocene Texas, SELLARDS and others **1109**.

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†*Capra libanotica* **nom. nov.** for *C. primigenia* Fraas *nec* Gervais, *C. adametzi* **nom. nov.** for *C. prisca* Adametz and Niezabitowski *nec* Woldrich, p. 345, *C. adametzi aegaeica* **nom. nov.** for *C. dorcas* Reichenow *nec* Linné, p. 346, KRETZOI **727**.

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†*Deperetia* Schaub (*nec* Teppner) preoccupied, see †*Pliotragus*.

†*Dystychoceras* **gen. nov.** for genotype *D. pannoniae* **sp. nov.** Miocene, Sopron, Hungary, pp. 262, 336, pl. 8, KRETZOI Foldt. Kozl. Budapest **71** 1941.

†*Gazella schreuderae* Hooijer, Pliocene Holland, further notes, p. 50, HOOIJER **612**.—*G. andreei* Kadic and Kretzoi 1927, *G. andreei* Simionescu and Dobrescu 1941 *nec* Kadic and Kretzoi 1927, both synonyms of *G. mitylinii* Pilgrim 1926, p. 347, KRETZOI **727**.

†*Gazelloportax* **gen. nov.** for genotype *G. gallicus* and *G. andreei* **spp. nov.** Miocene, pp. 266, 341, KRETZOI Foldt. Kozl. Budapest **71** 1941.

†*Gigantobison* **subgen. nov.** (type *latifrons* Harlan) see †*Bison*.

†*Graecoryx esterhazyi* **sp. nov.** Miocene, Csakvar, Hungary, pp. 266, 341, KRETZOI **718**.

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†*Hippotragoides* **gen. nov.** for *H. broomi* **sp. nov.** Tertiary Sterkfontein, Transvaal, p. 228, H. B. S. COOKE S. Afr. J. Sci. **43** 1947.

†*Indotragus* **gen. nov.** for genotype *I. pilgrimi* **sp. nov.** Miocene, pp. 267, 342, KRETZOI Foldt. Kozl. Budapest **71** 1941.

†*Leptobos* cf. *elatus* new remains Pleistocene Holland, p. 45, HOOIJER **612**.

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†*Parabison* **subgen. nov.** (type *B. exiguus*) see †*Bison*.

†*Parovibos* **gen. nov.** for genotype *Ovibos recticornis* Ryziewicz, p. 362, KRETZOI Foldt. Kozl. Budapest **72** 1942.

Pelea capreolus general description, habits, present status, A. ROBERTS **1014**.

†*Pelorocerus mirum* Pleistocene, Mahemspan, Orange Free State, p. 103, *P. elegans* Pleistocene S. Africa, p. 105, **spp. nov.**, *P. helmei* addt. descrs. p. 103, VAN HOEPEN **1267**.

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†*Pikermicerus* **gen. nov.** for genotype *P. gaudryi* **sp. nov.** Miocene, pp. 267, 342, KRETZOI Foldt. Kozl. Budapest **71** 1941.

†*Platycerobison* **subgen. nov.** (type *B. chaneyi* Cook) see †*Bison*.

†*Pliotragus* **nom. nov.** for †*Deperetia* Schaub (*nec* Teppner), p. 349, KRETZOI Foldt. Kozl. Budapest **71** 1941.

Poephagus grunniens and *Bos* dom. hybrids in Alaska, WHITE and others **1322**.

†*Pontoportax* **gen. nov.** for genotype *Tragocerus parvidens* Schlosser, pp. 266, 341, KRETZOI Foldt. Kozl. Budapest **71** 1941.

Raphicerus sharpei distribution in Tanganyika, RUSHBY and SWYNNERTON **1041**.

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†*Scaphoceros* Osgood not preoccupied by *Scaphocera* Saalmuller, p. 347, KRETZOI **727**.

†*Stelabison* Figgins 1933 a synonym of *Bison*, p. 159, SKINNER and KAISEN **1136**.

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†*Tragocerus ensicornis*, *T. samius* **spp. nov.** Miocene, pp. 266, 341, KRETZOI **718**.

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